ISSN 0016-4844

Volume 40 • Index 1984

gas abstracts

Institute of Gas Technology

gas abstracts®

Index 1984 Vol. 40

CONTENTS

Author Index 1

Subject Index 13

NOTE: For reader convenience in retrieval, letter codes are included with abstract numbers where applicable:

b = book
e = erratum
f = foreign-language text
p = patent
r = literature review
s = second or multiple listing

John L. Schaeffer
Editor

Joanne V. McKenzie
Associate Editor

Patt Geith
Assistant Editor

Susan Rodriguez
Editorial Assistant

GAS ABSTRACTS is a monthly publication of the Institute of Gas Technology, 3424 S. State Street, Chicago, IL 60616. Selected articles, papers, patents, and other material of interest to the gas and energy industries are reviewed impartially by the editorial staff.

1985 subscription rates: $125 to U.S./Canada addresses (surface-mail), $135 foreign surface-mail, or $155 foreign air-mail. Regardless of the month in which it is entered, each subscription starts with the January issue. The subscription includes an annual index. A fabrikoid binder for the year's issues is offered at $11 postpaid to U.S. addresses, $12 for foreign; it is available for mailing with the January issue. For back copies, see Inside Back Cover.

A microfilm edition of **GAS ABSTRACTS** can be supplied by University Microfilms International, 300 N. Zeeb Rd., Ann Arbor, MI 48106. Telephone number: (313) 761-4700.

© Copyright 1984

1984 AUTHOR INDEX

A

Aasen, R. K., 1145
Abbasi, H. A., 0124, 0897
Abbasian-Amin, M. J., 0825
ABCO Industries Inc., 1236
Abel, J. C., 0276
Abrams, H., 0860
Abramson, S. D., 0167
ACEC Co., Belgium, 0951
Acosta, J. C., 1419
Adler, R. J., 0072
Adorjan, A. S., 0103
Advanced Fuel Research, Inc., 1333
Advanced Mechanical Technology, Inc., 0252p, 0644, 0773p, 0892, 1152p, 1413
Aero Environmental Ltd., 0894p
Agency of Industrial Science and Technology, Japan, 0978p
AGIP-SGEL, 0415
Agno, J. G., 1537
Ahn, Y. K., 0063
AiResearch Manufacturing Co., 0125, 0479, 0492, 0503, 1135, 1543
Air Force Wright Aeronautical Laboratories, 0139
Air Products and Chemicals, Inc., 0071, 0102, 0106p, 0189p, 0875p, 0998p, 1349p
Akin, D. E., 1469
Akiyama, I., 0231p
Alabama Gas Corp., 0100, 0600
Alam, J., 0929-30
Al-Azawi, M.M.J., 0475
Aldrich, H. C., 1469
Aleksandrova, S. N., 0862f
Alexander, A. G., 0310
Alexander, P., 1003
Alexejewa, T. I., 0641f
Alfano, A. J., 0046
Algonquin Gas Transmission Co., 1221
Alldredge, M. H., 1063
Allegheny College, 0281
Allied Corp., 1242, 1304p
Allis-Chalmers Energy & Minerals Systems Co., 0955
Al-Sahhaf, T. A., 0382
Althof, J. A., 0131
Althuis, J. G., 0289f
Altpeter, L. L., 0365, 0738
Altpeter, L. L., Jr., 0225, 0359, 0620, 0747-48
Alvin, M. A., 1346b
Alzeta Corp., 0372p, 0761-62, 0890, 1255, 1392
Amana Refrigeration, Inc., 1389p
American Exploration Co., 0023
American Gas Association, Inc., 0141-42, 0145, 0153, 0506, 0662-63, 0784, 1001, 1006, 1127, 1289, 1291, 1425-26, 1553
American Gas Association Laboratories, 0629, 0632-33, 0754, 0905, 1010-11, 1123-24, 1125r, 1414
American Hunter Exploration, Ltd., 1065
American National Standards Institute, Inc., 0244, 1009, 1013-15, 1033
Ameriquest Inc., 0163
Ammerer, N., 1435
Amoco Canada, 1092
Amoco Production Co., 0526, 1092, 1167, 1203, 1205, 1489
Amoco (UK) Exploration Co., 0303
Amundson, N. R., 1184-85
Anaconda Minerals Co., 0694
Analysts/Schlumberger, 0796
Andersen, R. A., 0183
Anderson, G. L., 1493-94
Andreiev, G., 0601
Andrews, D. A., 0689
Anenkov, N. I., 1228f
Anezaki, S., 0042
Ang, P.G.P., 0649
Angelieri, M., 0822
Anguish, T., 0944-45, 1181
Angus, J. C., 1466
Anikin, E. A., 1214f
Anisimov, Y. I., 0594
Antoine, B., 0425
Antoniak, Z., 0471
Aoki, I., 1111p
Appleby, T. J., 0680
Applied Management Sciences, Inc., 0120
Applied Offshore Technology Inc., 0343, 0985
Arai, H., 0326
Araktingi, R. E., 0603
Aral AG, 1032f
Arasteh, D. K., 0237
Arastoopour, H., 0040, 0651
Arbib, H. A., 1561
Archer, D., 0085
Arco Exploration Co., 0024, 0164
Arco Oil and Gas Co., 0446
Arco Pipeline Co., 0720
Arctic Energies Ltd., 0711
Arctic Pilot Project, Canada, 0599
Ard, F. D., 0714
Argonne National Laboratory, 0299
Arikawa, Y., 0231p
Arisaki, K., 1486p
ARI Technologies, Inc., 0442, 1089
Arizona State University, 0089, 1005
Arkhipova, V. P., 0108f
Armold, M. T., 0324
Armstrong Energy Corp., 0807
Arora, R., 0507, 1538
Arp, D. F., 0128p
Arthur D. Little, Inc., 0096, 0740, 0748, 0874
Arunkumar, K. A., 1279
Arvidson, J. M., 1519
Ashburner, M., 0992
Ashby, A. B., 0835
Ashtola Production Co., 0680
Askerzade, B. A., 1510f
Aslanov, S. S., 1061f
Associated Piping & Engineering Corp., 0196
Associated Resource Consultants, Inc., 0268, 0293
Association Technique de l'Industrie du Gaz en France, 0338f
Assoreni, 1343
Atallah, S., 0225, 0359
Atkins, H. D., 0895
Atkinson, D. T., 1000
Atlantic Richfield Co., 0565p, 1266p-72p, 1337p, 1451p, 1484p
Atlas Corp., 0906
Atlas Oilfield Services Group, 1306
Attanasi, E. D., 0679
Attilio, D. D., 0163
Attwala, H. D., 0894p
Aubart, C., 1192
Auburn University, 0813, 1194-95
Aurora, R. P., 0345
Austruy, G., 0898p
Avasthi, J. M., 1314, 1326
Awad, A. H., 0941
Awerbuch, L., 0018
Ayoub, J. A., 0165
Azerbaidzhanskii Institut Nefti i Khimii im. M. Azizbekova, 1061f
Azerbaidzhanskii Inzhenerno-Stroitel'nyi Institut, 1233f
Azerbaidzhanskii Politekhnicheskii Institut im. Ch. Il'dryma, 1351f
Aziz, K., 0022

B

Baba, A., 0231p
Babala, D. J., 0349
Babcock, C. D., 1226
Babcock-Hitachi, Ltd., 1486p
Babcock Hitachi K.K., 0062, 0231p
Babrauskas, V., 0459
Babu, S. P., 0834
Bacardi Corp., 0171
Baccay, R. A., 1461
Bachovchin, D. M., 1346b
Back, L. H., 0583
Backhaus, H., 0091
Badger, C. K., 0901
Badgerow, D. L., 0751
Baeckström, L., 1362f
Baerns, M., 0541
Bahniuk, F. T., 1522
Bahrain National Oil Corp., 0797
Bailey, R. A., 0461
Bailey, V. I., 0817
Bajars, L., 0968
Baker, B., 1552
Baker, B. D., 0593
Baker, E. C., 0407
Baker, E. G., 1464
Baker, E. J., 0468
Baker, J. K., 0135
Baker, R. A., 0806
Baker, R. L., 0436
Baker, R.T.K., 1197
Bakker, T.A.G., 0083
Baladian, K., 0194, 0522
Baldakov, V. F., 1107
Balfoort, J., 0093
Ball, D. A., 1125r, 1249, 1561
Balla, L., 0928
Ballez, G., 1512f
Baltimore Gas and Electric Co., 0181
Banasiuk, H., 0891, 1384
Banks, R.G.S., 0439p
Barcella, M. L., 1289
Bard, A. J., 0958
Barford, J. P., 0179r
Barlo, T. J., 0728
Barnes, S. T.,0370p
Barnes & Click, Inc., 1090
Barraclough, B. L., 0533p
Barrett, J. R., 0818
Barril, R. J., 0015
Barrows, R. D., 0542
Barry, A. O., 0256
Bartel, L. C., 1316
Barvinko, Y. P., 1228f
Barybin, V. N., 1509f
BASF AG, 0444p, 0532f
Bassani, J. L., 0227, 0883
Bassiouni, Z., 0799
Battarra, V., 1217
Battelle Columbus Laboratories, 0118, 0201, 0242, 0346, 0360-64, 0508, 0555, 0633, 0637, 0728, 0734, 0741, 0744-45, 0901, 0911r, 1249, 1526, 1561
Battelle Development Corp., 0485p
Battelle Pacific Northwest Laboratory, 0542, 0960, 1428, 1464-65
Battelle Petroleum Technology Center, 1350, 1513-14
Batteux, J., 1347f
Battles, B. E., 1547-48
Battles, D. D., 1547-48
Bauer, K. M., 0113
Baugher, A. H., 0769
Baumgartner, S., 1336f
Bayer AG, 1559
B.C. Veterinary Diagnostic Laboratory, Canada, 0981
BDM Corp., 1300-01
Bea, R. G., 0009-10, 0156, 0345
Beale, W., 1244
Beall, H., 1070
Bearden, B. L., 1307
BeauDril Ltd., 1164
BEB Brigitta und Elwerath Betriebsführungs-GmbH, 1060f
BEB Gewerkschaften Brigitta und Elwerath Betriebsführungs-GmbH, 0569f
Bechtel Great Britain Ltd., 0342
Bechtel Group, Inc., 0018, 0061
Bechtel Petroleum Inc., 0061, 0917
Beck, B., 0965
Becker, F., 0893, 1016
Becker, F. E., 1138, 1252, 1545, 1549
Becker, J., 1081
Behar, E., 1555
Behr, W. R., 0187
Beisner, W. D., 1342
Belleville, P., 0811
Bellitto, G., 1497p
Bemidji State University, 0417r
Bender, E., 0775
Benefield, M. E., 0603
Benke, E., 0990
Bennett, C. O., 0809
Benson, J. M., 0949
Benzley, S. E., 1315
Berezina, I. V., 1106f, 1509f
Bergbau-Forschung GmbH, 1179, 1334f
Berger, R. C., 0733
Berghegger, H. W., 0357
Bergman, A. P., 0517f
Bergmann, B., 0918, 1048f
Bergougnou, M. A., 1319
Berjoan, R., 0309
Berlik, L. J., 0369p-70p
Bernstein, H., 0120
Berry, F. O., 1493-94
Berzins, V., 1345
Bessarab, V. V., 0872f
Bessenyei, Z., 0603
Bethlehem Steel Corp., 0860
Betriebsforschungsinstitut, 0243f
Bettinger, J. A., 1403
Bhadra, A., 0687
Bharadwaj, A. K., 0416
Bhatt, C. S., 1199r
Bhattacharaya, S. K., 0883
Bhattacharya, S. K., 0227
Bhattacharyya, S., 0838
Bhunia, P. K., 0167
Bierman, G. D., 0079
Bigg, D. M., 0363
Big-Inch Marine Systems Inc., 0344
Bilardo, U., 1217
Bilello, L. J., 0822
Biletskii, S. M., 1228f
Bingham, G. E., 0211
Biorganic Energy Inc., 0701p
Birch, A. D., 0994
Birkhead, W. G., 0084
Bittkow, P., 0109f
BJ-Hughes Services, 0276
Blackham, A. U., 1312
Blake, B., 0163
Blanc, C., 0568
Blanchard, J. P., 1191
Blanking, D., 0612
Blasiole, G. A., 1477p
Blaskowski, H. J., 0186p
Blauwhoff, P.M.M., 0069
Blazek, C. F., 1125r, 1447
Bleach, C. J., 0606
Blears, A. S., 0608, 1232
Blokpoel, L., 1540f
Bloom Engineering (Europe), 1263f
Bloomfield, D., 0435
Bloomstran, M. A., 1310
Blough, J. L., 0840
Bluntzer, R. L., 1443
Bodansky, D., 1012
Bodas, J., 0591p
Bodine, F., 0144
Bodrov, I. S., 0590p
Boesch, L. P., 1199r
Bogart, M.J.P., 0104
Bogdan, M., 0820
Bohn, A. A., 0663, 1291
Bokelmann, H., 1246
Bolotov, A. S., 1228f
Bolt, L. H., 1053
Boltendahl, U., 0703p
Bolton, D., 0877
Bombaugh, K. J., 0816
Bondarenko, Y. K., 1107
Bonnard, D., 1121f
Bonne, U., 1248

Bonner & Moore Associates, Inc., 1046
Boon, S., 1285, 1562
Bornside, D. E., 1041
Borovkov, V. A., 0090f
Borsani, M., 1119f
Boucau, J., 0304
Bourbonneux, G., 1347f
Bourdet, D., 0165
Bourgoyne, A. T., Jr., 0397
Bouska, P., 0437f
Bowden, A., 0081
Bowen, J., 1318
Bowling, K. M., 0059
Bow Valley Resources Services Ltd., Canada, 1340
Boyd, R., 0294
Boysan, F., 0836
Boyt, A. J., Jr., 0848p
Bradburn, J. B., 0013
Bradley, C. I., 0351
Bradley, E. B., 1279
Brambley, M. R., 0230, 1374
Brand, R. A., 0335f
Brännstrom, B., 1209p
Bray, J. A., 1225
Brennan, E. G., 0993
Brennan, J. A., 0587, 1105
Brennstoffinstitut Freiberg, 0109f, 0138f
Bridges, J. E., 1339p
Briggs, L. L., 1210
Brigham Young University, 0961, 1312, 1315
Brightwell, A., 0422, 1460
Brister Inc., 0198
British Gas Corp., 0199, 0224-26, 0307, 0347p, 0351, 0354, 0377p, 0422, 0439p, 0469, 0488-90, 0549r, 0583, 0585-86, 0596, 0606-08, 0612, 0619, 0627r, 0631, 0763, 0837, 0858, 0864, 0865r, 0876-77, 0880, 0895, 0966-67, 0993-94, 1002, 1021, 1110, 1112, 1232, 1235, 1251, 1311, 1372, 1376-78, 1382, 1460, 1485p, 1523, 1544-46
British Petroleum Co. Ltd., 0143
Broadhead, R. F., 1178
Brooker, M.F.C., 0894p
Brookhaven National Laboratory, 0154, 0771
Brooklyn Union Gas Co., 0111-12, 0116, 0220, 0221p
Brooks, C. T., 1485p
Brooks, D. R., 0469
Brooks, J. M., 1309
Brosilow, C. B., 0072
Brötzenberger, H., 0448f
Broussard, D., 0075-76
Broutman, L. J., 0882
Brown, D. R., 0993-94
Brown, L. G., 1410
Brown, N., 0227, 0742, 0883
Brown, W. R., 0072
Brown and Root, Inc., 1224
Brown University, 0228, 0654
Bruce, C. H., 1176
Bruce, G. H., 1162-63
Bruderly, D. E., 0822
Brummert, A. C., 1204
Brundage, H. T., 0794
Bryan, B., 0553
Bryan Research and Engineering Inc., 1091, 1488
Bryce, A. J., 1462
Brychta, M., 0841f
Bucalo, S., 0822
Buchler, G. M., 0452-53
Buck, N. A., 0937
Bugarel, R., 0495f
Buijserd, A. M., 0516f
Bullard, C. W., 0131
Bulley, N. R., 0544, 0812
Bullin, J. A., 1091, 1488
Bully, F., 1192
Bundesanstalt für Geowissenschaften und Rohstoffe, 0028, 0414-15
Bundesministerium für Handel, Gewerbe und Industrie, 0524f
Burbank, B. W., 0115
Burdin, V. P., 0090f
Bureau of Environmental Protection, 1559
Burkle, W. S., 0592
Burmenko, E. Y., 1214f
Burns, L. K., 0973
Buro voor Architectuur en Interieur, 1387f
Burton, K. W., 0546
Burwell, C. C., 0889
Burwell, E. L., 0691
Butler National Corp., 0722
Butt, J. B., 0780
Buttes Resources Co., 0301
Butwell, K. F., 0567
Byerley, D. D., 0879
Byrer, C. W., 0919, 0972b, 1204

C

Cabello, A., 0814
Cabot Corp., 0839
Cabrera, A. L., 0177
Cadre Corp., 1550p
Calado, J.C.G., 1037
California Institute of Technology, 1226
Calinaud, B., 0367f
Callanan, J. E., 1448
Callander, I. J., 0179r
Calzada, J. F., 0814
Camaioni, D. M., 0960
Cameron, D. S., 0770
Cameron Iron Works, Inc., 0896
Campbell, G. R., 0068
Campion, A., 0958
Canadian Gas Association, 0006b
Canadian Hunter Exploration Ltd., 0026, 1065
Canfield, D., 1079
Canning, P., 0212
Cannon, J. F., 0062
Cannon, R., 1341
Capart, R., 0811
Capdevielle, W. C., 0396
Carborundum Co., 0792, 1137
Cardwell, S. C., 0944-45, 1181
Carey, G. F., 1171-72
Carlowitz, O., 1158f
Carnegie-Mellon University, 1067, 1284
Caron, R. N., 0096
Carpenter, R. J., 0351
Carpenter, R. L., 0389
Carr, S. H., 0746
Carriere, J.-F., 0216f
Carter, E., 1098
Casanova, R., 0177
Case Western Reserve University, 0072, 1465
Cassady, M., 0118, 0362, 1526
Cassady, M. J., 0361
Cassou, M., 0366f
Castela, A., 0017
Castel-Ruiz de Leon, J., 1229f
Castle, J. E., 0727
Catalana de Gas y Electricidad S.A., 1524f
Catalysis Research Corp., 0968
Catt, G. E., 0264
Cautillo, A. L., 0894p
Celorier, G. M., 0892
Central American Research Institute for Industry, Guatemala, 0814
Central Construction Bureau for Oil and Gas Equipment, U.S.S.R., 0853f
Central Institute for Industrial Development, Netherlands, 0308
Central Plants, Inc., 0188p
Centre National de la Recherche Scientifique, 0309, 0311, 0425
Centre Technique des Industries Aérauliques et Thermiques, 1250f
Ceska, T., 0437f
Chan, I. H., 0552
Chan, R., 0424
Chandelle, V., 1085, 1201
Chang, W., 0261
Chao, J., 0259
Chapman, H. L., 0650
Chapman, N. R., 0619, 1002
Chapuis, C., 0898p
Charbeneau, R. J., 0055r
Charbonnages de France, 0558, 1202
Chatterjee, N., 0102
Chauvin, Y., 0700p
Cheatham, J. B., Jr., 1166r
Cheema, A. P., 1507
Cheh, H. Y., 0315-16
Chekanskii, V. V., 1395f
Chellini, R., 1358
Chemische Werke Hüls AG, 0032
Chemopetrol, K.P., 0449f
Chemoprojekt, 0449f
Chem Systems Inc., 0153
Chen, C.-Y., 0040
Chen, R.J.J., 0440
Chen, S.-H., 1281
Chen, Y. R., 0323
Chenevert, M. E., 0399
Chenevert Engineering, Inc., 0399
Cheng, M.C.A., 0792
Cheng, Y. H., 1081
Cheng, Y.-S., 0389
Chenot, P., 0355f
Chern, W. S., 1262
Chevalier, L., 1520f
Chevron Oil Field Research, 0925r
Chevron U.S.A. Inc., 0158, 0397
Chew, M., 0316
Chicago Bridge & Iron Co., 0092, 0707p
Chieng, S. T., 1188
Child, E. T., 0060
Chin, G., 0946
Chin Man Kim, 0276
Chirikov, K. Y., 0213f
Chisman, W. E., 0867
Chitester, D. C., 0688
Chittick, D. E., 0564p
Chiu, C.-H., 0998p
Chiyoda Chemical Engineering & Construction Co., Ltd., 1111p
Chludzinski, J. J., Jr., 1197
Chorley Engineering Ltd., 0992
Chornet, E., 0417r, 1324
Chowdiah, P., 0651
Christ, B., 0965
Christensen, P. D., 0191
CHTF SVST, 1348f
Chu, C. Y., 0219
Chung, S. H., 1286
Chung, T. H., 1282
Chynoweth, D. P., 0551, 0819, 1332
C.I.D. Design, Inc., 0999r
Ciramella, A. F., 0674
Citicorp Information Services, 1290
Cities Service Co., 0193, 1459p
Cities Service Oil and Gas Corp., 0450, 0937
City of Chicago Department of Streets and Sanitation, 0769
City University, London, 0388
Clark, C. R., 0949
Clark, J. H., 1078
Clarkson College of Technology, 0050
Clemson University, 0392, 1321
Cleveland, C. J., Jr., 0394
Climax Molybdenum Co., Ltd., 0861
Climax Molybdenum Co. of Michigan, 0961
Cloos, J. D., 0293
CNG Research Co., 0072
Coarsey, C. L., 0704
Coats, K. H., 0603
Cobb, D., 0093
Cockerham, R. G., 0307
Coenen, H., 1338p
Coffee, T. P., 0778
Coffeen, W. G., III, 0419-20
Coffern, A., 0653
Cohen, B. M., 0507, 1538
Cohoe, W. F., 0503
Coldren, A. P., 0861
Cole, J. T., 0891, 1384
Coles, K. F., 0638
Colling, C. N., 1157
Collins, K. L., 0565p
Colonna, A., 1253f
Colorado School of Mines, 0258, 0382, 0426, 0777, 1448, 1473
Colorado State University, 0094-95, 0601
Columbia Gas System Service Corp., 1241
Columbia University, 0314-16
Combined Heat & Power Association, 1405
Combustion Engineering Inc., 0186p
Commereuc, D., 0700p
Commission of the European Communities, 0625b, 0628b, 0636b, 0962b
Commonwealth Scientific and Industrial Research Organization, 0037, 0059, 0815
Compagnie Générale de Géophysique, 1458
Connelly, S. M., 0633
Conoco Inc., 0251p, 0791, 0977p, 1168
Consolidated Edison Co., 0622
Consolidated Gas Supply Corp., 1101
Consulting Services, 0598
Continental Minerals Corp., 1063
Cook, F. B., 1241
Cook, G. D., 1498p
Cook, W. J., 0072
Cook Stolowitz & Frame, 0732p
Cooley, C., 0162
Coombs, M., 0125, 0492, 1135, 1543
Coors Porcelain Co., 0491
Copan, J. A., 0141
Coquand, J.-P., 0367f, 0739f
Corbeels, R. J., 1481p
Corliss, J. M. 0242
Cornell University, 0411, 0623, 0909, 0944-45, 1154, 1181, 1284
Cornett, J. E., II, 0527
Cornett Oil Co., 0527
Correa, S., 0781
Corteville, J., 0017
Costanza, R., 0394
Coutures, J. P., 0309
Cowell, W. M., 0479
Cox, D. J., 1189
Cox, R. W., 0490
Cox, S., 0261
Craig, G. N., II, 0973
Craig, J. H., Jr., 0824
Craig, J. M., 0621
Craig, L. B., 0500p
Cramer, S. D., 1444
Cranfield Institute of Technology, 0219
Crawford, D. B., 0103
Crawford, R. L., 1180
Craze, D. J., 0986-87
CRC Bethany International, Inc., 0588
Crelling, J. C., 0652, 0776
Creusot-Loire, 0495f
Creusot-Loire Entreprises, 0811
Crimmins, J., 0767
Cringle, D. C., 1496p
Crisman, E. E., 0654
Crist, B., 0746
Croall, S. J., 1223
Crotogino, F., 0605f
Crow, L. W., 1373
Crowther, L.H.C., 0619, 1002
Csiky, G., 1302f
Cubberly, W. E., Jr., 1450p
Cuderman, J. F., 1299
Cullis, C. F., 0388
Cumberland, J. H., 1429
Cummins & Barnard, Inc., 0630
Curatolo, B. S., 1404p
Curry, W. H., III., 1454
Cuttica, J. J., 1148
Cyprès, R., 0334
Czechoslovak Academy of Sciences, 1035-36, 1156, 1213f
Czytko, M. P., 0032

D

Dabkowski, J., 1446, 1517
Daillencq, V., 1474f
Daley, R. D., 1066
Dalmon, J. A., 0311
Daly, E. L., Jr., 1470
Daly, J. T., 0654
Daly, W. O., 0070

D'Ambra, R., 1492
Damron, E. B., 1505p
Daniel Electronics Div., 1102
Daniel Industries Inc., 0867
Daniels, D. J., 0608, 1232
Danil'chenko, V. P., 0868f
Danko, J. P., 0688
Dann, R. G., 1235
Dansk Olie & Naturgas A/S, 0191, 0575
D'Antonio, N. F., 1518p
Dareing, D. W., 0270
Darras, C., 0366f
Darrow, K. G., Jr., 0004
Darton, R. C., 1495p
Dassonville, C., 0215f, 1520f
Data Acquisition Ltd., 0608, 1232
Davenport, S. T., 0917
Davidova, H., 0736f
Davidowitz, D., 1115p
Davidson, G. S., 1316
Davidson, K. G., 1375
Davies, M.J.E., 1340
Davies, R. M., 1546
Daviet, G. R., 1091, 1488
Davis, B. E., 0547r, 1310
Davis, T. B., 0026, 1065
Davydov, O. I., 1061f
Davy McKee Corp., 0436
Day, J. R., 0837
Day, R. A., 0225, 0359
Day, W. J., Jr., 0755p
Deal, C. S., 0301
de Arriola, M. C., 0814
De Baere, L., 0951
de Biasi, V., 1149, 1275
Deblieu, I. K., 0752
de Bremaecker, J.-C., 0027
de Bruin, A., 1541f
Debruyckere, M., 0545
DeBusk, T. A., 0953
Decision Focus Inc., 0004
Dedenon, J.-M., 0845p
DeGroot, W. F., 0182, 0686, 1463
de Hoon, C.J.J., 1516
Deiters, U. K., 0386
de Jong, F. A., 0782f
de Klein, J. A., 1130f
Delannay, F., 1196
Delft University of Technology, 0278, 0308, 0320
DeLima, H., 0120
Dellinger, T. B., 0016
Deloire, L.-G., 0355f
Delorey, J., 1054
Delta-X Corp., 1212
Demarais, G., 0568
de Marsily, G., 0216f
Demetri, E. P., 0644, 1413
de Micheo, F., 0814
Dempsey, P., 1437
den Besten, H., 1541f
Denn, M. M., 0033
Department of Energy, Mines and Resources, Canada, 0317-18, 0952
de Porres, A. Y., 0814
Derringer, G., 0362, 1526
Desai, T. M., 1394
Deschamps, Y., 0140
de Sivry, B., 0859f
Det Norske Veritas, 0401
Det Norske Veritas (Canada) Ltd., 0349
Deutsche Babcock Werke, 1143f
Deutsches Bäckerhandwerk, 0473f
DeVos, D. R., 1301
Dewerdt, F., 1095f
DeWerth, D. W., 0629, 0633, 1010
Deygon-Ra, Inc., 0101
Dezael, C., 0573p
Diamond, W. P., 1045
Di Cintio, R., 1492
Didier Engineering GmbH, 0185p, 0844p
Didier-Werke AG, 1396f
Dietz, D. N., 0278
Dijkhof, W., 0238f, 1132f
Diller, D. E., 1034
Dillingham, J. T., 1057
DiNapoli, R. N., 0598
Discamps, D., 1555
Distrigaz S.A., 1512f
DiTaranto, M. B., 1333
DM International, Inc., 0440
Do, D. D., 0034
Dobos, C., 0125, 1543
Dodson, M. G., 0993-94
Dohle, U., 1023f
Dokuzoguz, H. Z., 0062
Domenico, S. N., 1455
Dome Petroleum Ltd., 0099, 0403, 1091, 1488
Donnelly, S. T., 1091, 1488
Dorda, O., 0109f
Dörling, R., 1478p
Douglas, G., 0024
Dow Chemical Co., 0272, 1496p
Dow Chemical U.S.A., 0187
Dow Corning Corp., 0650, 1494
Dowding, P., 0190
Downey, C. I., 0341
Downhole Seismic Service Inc., 0667
Drake, M. C., 0781, 1044
Dr. C. Otto & Co. GmbH, 0337f
Dresser Atlas, 0669
Dresser Industries, Inc., 1059
Dresser Petroleum Engineering Services, 0539
Dreuilhe, J., 0495f
Drew, L. J., 0679
Drexel University, 0041r
Dr. Schmitz & Apelt, 1024f
Dryer, F. L., 1043r
Duan, R.-Z., 1317
Dübel, M., 1530
Duchscherer, W., Jr., 0935-36
Duffus, L. M., 1262
Dumesic, J. A., 0312-13
Dunmyre, G. R., 0959
Dunnam, J. A., Jr., 0932p
Dupart, M. S., 1496p
Dupont, J., 0921
Dupont-Rachford Engineering Mathematics Co., 0085
Durag Industrie Elektronik, 1264f
Duranleau, R. G., 0067p
Durham University, 1365
Durkee, E. F. 0161
Duus, P. E., 0092
Duvet, C., 1438
Dvoyuris, A. D., 0108f
Dyer, J. C., 0292

E

E.A. Krieg & Associates Inc., 0293
Eastman Whipstock Inc., 1436
East Ohio Gas Co., 0487
Eaton Operating Co., Inc., 1058
Ebeling, H. O., 0709p
Ebner, P. H., 1397f
Ebner-Brunner, F., 1140f
Ebner Industrieofenbau, 1397f
Eckard, S. E., 0471
Eckenrode, W. C., 1102
Eckhardt, B., 0257
Eclipse Inc., 0129p
ECO Inc., 1165
Ecole Nationale Superieure des Mines de Paris, 0216f
Ecole Superieure du Cuir et des Peintures, Encres et Adhésifs, 1354f
Edelman, A. M., 1342
Edelman, R. B., 1007
Edelstahlwerke Böhler AG, 0126f
Edelstein, R. B., 0615
Edgar, T. F., 0051, 0055r, 0321-22, 0685
Edwards, B., 1353
Edwards, R. V., 1466
Egorov, E. V., 1100f
Ehmke, H. J., 1246
Ehringer, H., 0625b, 0628b, 0636b
Eiceman, G. A., 0593
EIC Laboratories, Inc., 0956
E.I. du Pont de Nemours & Co., Inc., 0752
Electric Power Research Institute, 0391, 0421
Eleferenko, A. P., 0853f
Elek, L. F., 1087p
Elf Aquitaine Norge A/S, 0015, 1438
El-Halwagi, M. M., 1328
Elizabethtown Gas Co., 1231, 1522
Ellington, R. T. 0257
Elliot, D. G., 0440
Elliott, D. C., 0542, 1465
Elliott, G.R.B., 0533p
Ellis, D., 0304
Elmquist, S. A., 0436
El Paso Hydrocarbons Co., 0572p
El Paso Natural Gas Co., 0465
Eltron Research, Inc., 0649
Ely, J. F., 0135
Elyada, D., 1226
EMCON Associates, 0829
Emco Wheaton (International) Ltd., 1412p
Emmerich, V., 1400
Empresa Nacional del Gas S.A., 1229f
Energiagazdalkodasi Intezet, 0591p, 1542p
Energy and Environmental Analysis, Inc., 0371, 1394
Energy Data Services, 1308
Energy Research Corp., 1552
Energy Transition Corp., 0332
Enga, T. G., 1372
Engelhard Corp., 1409p
Engineering Analysis, Inc., 0404
Ensell, R. L., 0966
E.O. Paton Welding Institute, U.S.S.R., 1107
Epstein, M., 1375
Epstein, M. M., 0361
Equitable Gas Co., 0451
Erb, P. R., 1168
Erbar, J. H., 0647, 0716
Ershaghi, I., 1435
Ertekin, T., 0021, 0529
ESCOR, Inc., 0831
Esso AG, 0336f
Esso Exploration and Production Norway Inc., 0075-76
Esso Resources Canada Ltd., 0341, 0400
Etheridge, D., 1378
Ethridge, F. G., 0973
E.T. Killam Associates, 0223
Etudes et Productions Schlumberger, 0304
Eubank, P. T., 1040, 1220, 1357
Ewing, T. E., 0413
Exxon Chemical Co., 1342
Exxon Co. U.S.A., 0008, 1342
Exxon Production Research Co., 0381, 0804, 0806
Exxon Research and Engineering Co., 0172, 0385, 1197, 1342, 1480p
Eyre, J. A., 0458

F

Fabbri, C., 1497p
Faber, E., 0028, 0805
Fabry, R., 1085, 1201
Fachhochschule Aachen, 0496f
Fachhochschule Münster, 0639f, 1391
Factory Mutual Research Corp., 0094, 0463
Failla, B., 1497p
Fairweather, M., 0779
Falconer, J. L., 0170
Fan, L.-S., 0688
Fan, L. T., 1183
Fardeau, B., 0493f
Farina, A. J., 0500p
Farkas, K., 1141f
Farmer, R., 1273
Farnsworth, C. A., 1011
Farrugia, C., 0367f
Fasanino, G., 0216f
Fast, L. J., 0203
Fathalla, M., 0797
Faulkner, L., 0911r
Faulkner, R., 0574
Fauske and Associates, 1375
Fauteux, D., 1324
Federal Institute for Geosciences and Natural Resources, 0805
Federation de l'Industrie du Gaz, 1295f
Fedorow, N. A., 0641f
Feigenbaum, H., 1409p
Feldman, S., 0893, 1016
Fels, M. F., 1239
Fenton, D. M., 0710p
Ferguson, A., 0259
Ferri, J. L., 1018
Ferry, J. G., 0821
Fertl, W. H., 0669, 1306
Fielden, N.E.H., 1190
Filinov, M. V., 1113f
Finfinger, G. L., 0407
Finger, G. W., 0822
Finley, R. J., 0682
Finson, M., 0435
Firestone, R. F., 0964
First Chemical Design Institute, China, 0427
Fischer, K., 1263f
Fishman, D. S., 1376
Fjeld, S., 0401
Fladt, C. S., 0635p
Flak, L. H., 0398
Fleming, D. K., 0124, 0760, 0897
Fletcher, G. L., 0302
Fletcher, T. H., 1312
Flew, R. J., 0199
Fling, W. A., Jr., 0450
Flockenhaus, C., 0185p, 0844p
Flood, J.J.F., 1372
Flopetrol Johnston, 0165
Florette, M., 1240f
Florida Gas Transmission Co., 0581
Florida Institute of Technology, 0014
Florida State University, 0282
Fluor Engineers, Inc., 0104, 1093, 1207
Fluor Engineers and Constructors, Inc., 0979
Foh, S. E., 0287
Fomichev, M. M., 0590p
Fong, F. K., 0046
Forest Research Institute, New Zealand, 0179r
Forschungsgesellschaft für Energietechnik und Verbrennungsmotoren GmbH, 1530
Forshay, P. H., 1394
Forster, C. F., 0690
Förster, S., 1008p
Fortunko, C. M., 0087
Fosdick, M. R., 0011-12
Foster-Miller, Inc., 1000
Foster Wheeler Development Corp., 0840
Foster Wheeler Energy Corp., 0246p
Fowler, G. L., 0769
Fox, I., 0074p
Fox, J. R., 1404p
Fox, M. A., 0958
Fraioli, J., 0757p
Francis, G. S., 0880
Francis, W. E., 0763
Franckowiak, S., 0573p
Franklin, L. J., 0402, 0409p
Franx, C., 0484f
Fraser, A. R., 0624
Frederick, N. V., 0134
Freedman, S. M., 0178
Freeman, E. R., 0276
French, G. R., 0093
French, H. A., 0866p
French Embassy in New York, 0148
Frenklach, M., 1041
Frese, K. W., Jr., 1079
Frevert, E., 1364f
Friedman, D. W., 0479
Friedrich, H., 0497f
Friedrich Krupp GmbH, 1338p
Fritz Werner Industrie-Ausrüstungen GmbH, 1482p
Frohne, K.-H., 0670
Frost, A. C., 1087p
Frumerman, R., 0418r
Frumerman Associates, Inc., 0418r
Fthenakis, V., 0314-15
Fuchsman, C. H., 0417r
Fuini, D. L., 0875p
Fujimoto, T., 1367

Fukagaya, M., 1182
Fukuda, M., 1483p
Fuller, J. J., 0905
Fundacao de Ciencia e Technologia CIENTEC, 0169
Fung, D.P.C., 0317-18
Furfari, S., 0334
Furimsky, E., 0952
Furlong, J. F., III, 0147
Furman, A., 1330
Furman, A. H., 1329
Furujo, S., 0042
Furusawa, T., 0329

G

Gaebler, R., 0138f
Gaffon, R., 1276f
Gager, R., 1531
Gaines, W. R., 0912
Gainullin, F. G., 0250f
Gale, R., 1378
Galey, W. L., 0197
Gallagher, J. W., 0878
Gallagher, S. B., 0433
Galvin, C., 1092
Ganapathy, V., 1236
Garber, J. D., 1441
Garcia, M., 0310
Gardner, E., 0212
Gardner, M. B., Jr., 0210
Gardner, N. C., 0072, 1466
Garrett, C. M., 0682
Garrett Corp., 1260p
Garwood, W. E., 0378p
Gash, B. W., 1203, 1205
Gas Processors Association, 1341
Gas Research Institute, 0004, 0097, 0110, 0125, 0150, 0180, 0225, 0330, 0356p, 0359, 0365, 0375, 0390b, 0393, 0468, 0477, 0615, 0620, 0643, 0738, 0744-45, 0747-48, 0831, 0835, 0838, 0840, 0900, 1000, 1017p, 1138, 1148, 1205, 1234r, 1375, 1390, 1392, 1414, 1543, 1545
Gaswärme-Institut e.V., 1391
Gates, W. C., Jr., 0067p, 1481p
Gaupp, K.,0032
Gavignet, A. H., 1450p
Gay, L. G., 0015
Gaz de France, 0122f, 0127f, 0140, 0215f-18f, 0355f, 0358f, 0366f-67f, 0493f-95f, 0729f, 0739f, 0898p, 1095f, 240f, 1253f-54f, 1258f-59f, 1354f, 1474f, 1511f, 1520f
Gaz Transport, 0214f
Gazzi, L., 1343, 1492
GDC, Inc., 0558, 0914
G.D.F., see Gaz de France
Gearhart, R., 0085
Gedeon, D., 1244
Gedge, D. J., 0199
Geerssen, T. M., 0240f
Gehman, H. M., 0806
Gelus, M., 0811
Gemeentelijk Gasbedrijf Groningen, 1278f
General Cathodic Protection Services, Inc., 0724
General Dynamics Corp., 0212, 0462
General Electric Co., 0048, 0443, 0471, 0721, 0781, 1044, 1462
General Electric Corporate Research and Development Center, 1069, 1329-30
General Housewares Corp., 0374
General Research Corp., 1527
Geochemical Surveys Inc., 0935-36
Geological Survey of Alabama, 0536
Georgia Institute of Technology, 1383, 1536
Gernhardt, P., 0337f
Gerrish, H. P., 1470
Gerritsen, H. J., 0654
Gershtein, M. S., 1096f
Gerstmann, J., 0252p, 0644, 0892, 1152p, 1413
Gerwick, B. C., Jr., 1056
Gettel, L. E., 0505
Getty Synthetic Fuels, Inc., 1088p
Ghadiali, N., 0362
Ghadiali, N. D., 0734
Ghate, M. R., 0975b
Ghodsi, M., 0334
Ghose, T. K., 0687
Ghosh, S., 0550r, 0554, 0699p, 0832, 0969
GHR Energy, 1487p
Giancola, D. J., 0487
Gilbert/Commonwealth International, Inc., 0063
Gill, T. A., 1191
Gilles, T., 1385
Gillespie, C. H., 0211
Gillies, A., 0286
Gilreath, J. P., 0833
Ginzburg, A., 0296
Gionfriddo, S., 1552
GiproNIIGaz, 1108
Gipronisel'prom, 0086f
Girimont, J. A., 0436
Gitman, G. M., 1550p
Givi, P., 1284
G.K. Salter & Associates, 1237-38
Glaser, V., 1230f
Glaves, P. S., 0441
Glavnoye Tekhnicheskoye Upravlenie Minneftegazstroya, 0873f
GlavzapsibPRU, 0872f
Glazova, G. V., 0086f
Global Marine Development Inc., 0673, 1055
Gochis, P. D., 0170
God, C., 1139f-40f
Goddard, D. H., 0202
Godin, P., 0759p
Goeltz, R., 1532
Goins, W. C., Jr., 0398
Goldberg, M. L., 1239
Golden Engineering, 0383
Goldstein, A. M., 1342
Goldstick, R., 1134
Goldwater, B., 1245
Goldwire, H. C., 0211
Goldzberg, V., 1212
Golikeri, S. V., 0440
Golombek, E., 0569f
Gomm, H., 0605f
Gopalkrishnan, R., 0257, 0261
Gorbovitskii, A. I., 1108
Gordyshevskii, A. M., 0872f
Gorelov, G. M., 0868f
Gorin, E., 0977p
Goss, L. P., 0139
Gostev, N. M., 0862f
Gosudarstvenii Nauchno-Issledovatel'skii i Proektnyi Institut Azotnoi Promyshlennosti i Produktov Organicheskogo Sinteza, 1283f
Gotterba, J. A., 0762, 0890
Gouez, M., 0218f
Gourguechon, F., 0730
Government Industrial Research Institute, Japan, 0327
Govind, R., 0543
Gowdy, H. W., 0710p
Graboski, M. S., 0426, 1473
Graf, H.-G., 1060f
Graham, P., 0607
Graham, R. G., 1319
Grams, W., 0337f
Gransee, M., 0266
Granville, W. H., 0070
Grass, A. J., 1225
Gravley, W., 0016
Gray, M. L., 0708p, 0856p
Gray, R. D., Jr., 0385
Gray, T. J., 0566p
Great Hungarian Plaine Oil and Gas Production Enterprise, Hungary, 0509
Green, A.E.S., 1369
Green, K. E., 0491
Green, R. C., 1472
Greenbaum, E., 0557
Greenway, J. A., 0981
Greggerson, V. L., 0999r
Gregoire, C. E., 0675
Gregory, G. A., 0022
Grenier, P., 0358f
GRI, see Gas Research Institute, GRI Reports
Griffin, R. B., 0559
Griffith, P., 0798r
Griffiths, J. C., 1125r
Griffiths, P. R., 0828
Grignani, D., 0415
Gringarten, A. C., 0924r
GRI Reports, 0018-21, 0044-50, 0113-14, 0118, 0120-21, 0130-31, 0154, 0162, 0166, 0182-84, 0227-28, 0232, 0242, 0247, 0257-62, 0265, 0286-87, 0330, 0361-65, 0371, 0404-06, 0428-34, 0463, 0471, 0479, 0480r, 0491-92, 0503-04, 0507-08, 0513, 0519, 0529-30, 0539, 0555-57, 0601, 0615, 0632-34, 0644, 0649-52, 0674, 0682-83, 0735, 0754, 0761-62, 0771, 0776-77, 0780, 0800-01, 0820-27, 0882-86, 0890-93, 0896-97, 0903, 0905-09, 0913, 0929-31, 0956-61, 1003, 1007, 1010-11, 1016, 1040, 1044, 1047, 1058-59, 1077-80, 1105, 1123-24, 1125r, 1134-37, 1144-45, 1150, 1153-55, 1174-75, 1255, 1282, 1298-301, 1309, 1329-33, 1383-85, 1394, 1433, 1462, 1519, 1525-28, 1536-38, 1547-49, 1552
Groenewold, G. H., 0184
Grolmes, M. A., 1375
Grombach, P., 1118f
Gronseth, J. M., 0400
Gröschel, B., 1032f
Gross, M. N., 1493-94
Grossmann, J. R., 0371
Groupe Interinstituts Pour l'Etude de Dejections Animales, 1474f
Grunes, H., 0906
Grupping, A. W., 0320
GTE Sylvania, 1018
Gubbins, K. E., 0909
Gudz, A. G., 0590p
Guedes, H.J.R., 1037
Guffey, C. G., 1090
Guillet, R., 1258f
Gulf Canada Resources Inc., 0305r, 1211
Gulf Oil Exploration and Production Co., 1353
Gulf Research & Development Co., 0039, 0547r, 1298, 1310, 1314, 1326
Gulsby, J. G., 1498p
Gulsby Engineering, Inc., 1498p
Gunn, R. D., 0052r-54r, 1083, 1084r
Gupta, B. R., 1323
Gustafson, G. J., 1248
Gustafson, T., 1427
Gustafsson, T., 0907
Guth, L. A., 0520
GWA Gesellschaft für Wärmetechnik und Anlagenbau, 1263f

H

Habig, C., 0689, 0953
Hackler, E., 0185p, 0844p
Haddenhorst, H.-G., 0466
Hafke, C., 0698f
Haga, R., 0978p
Haglund, D. K., 0460
Hahn, R. S., 1321
Haldor Topsoe A/S, 0642
Haldor Topsoe Inc., 1345
Hale, D., 0350, 1116
Halebsky, M., 1055
Hall, C. K., 1153
Hall, J. A., 0723
Hall, K., 0212
Hall, K. R., 0259-62, 0384, 1040, 1220, 1357
Hallberg, R., 0830
Hallen, R. T., 1465
Halliburton Co., 1305p
Halliburton Services, 1098
Halse, R., 0613
Halse, R. G., 1365
Halstead, J., 1137
Hamilton, R. T., 1467
Hammershaimb, E. C., 1442
Han, J. H., 0682
Handman, S. E., 0103
Hanley, H.J.M., 0908, 1557
Hansen, S. S., 0860
Hanson, J. M., 0162
Hanson, K. L., 0471
Hanson, R. L., 0389, 0949
Happel, J., 0314-16, 0968
Harbert International, Inc., 0714
Harbor Branch Institution, Inc., 0689, 0953
Harco Corp., 0455
Harding, T. P., 0804
Harding Lawson Associates, 0077
Hardison, L. C., 0442, 1089
Hardwick, G. J., 1382
Hargreaves, K.J.A., 1251
Harloff, G. J., 0039
Harries, C. R., 1190
Harris, C. C., 1429
Harris, C. M., 0267
Harris, C. W., 0623
Harris, M. J., 0507
Harrison, D. B., 0732p
Harrison, P., 1501
Harrison, S. S., 0281
Harrison, W., 0299
Harsha, P. T., 1007
Hart, R., 0822
Hartmann & Braun AG, 0706f
Harwood, D. W., 0113
Hashemi, R., 1435
Hashimoto, A. G., 0943, 1461
Hasselback, F. W., 1301
Hassell, J., 0362, 1526
Hassett, D. J., 0184
Hatch, G. C., 0159
Hattori, T., 0327, 1182
Hauck Manufacturing Co., 0766p, 1026p
Havik, K. P., 0075-76
Hawkes, D. L., 0546, 1193
Hawkes, H. E., 0026, 1065
Hayase, T., 0847p
Hayashi, M., 0535
Hayashida, T., 0847p
Hayden, C. G., 0287
Haynes, W. M., 0134, 0253-55
Hays, H. G., 1389p
Healey, A. J., 1224
Healy, J. H., 0296
Healy, W. H., Jr., 0465
Hebden, D., 1485p
Hebei Institute of Technology, China, 0427
Hebsur, M. G., 0038r
Heck, M. P., 0236
Hedden, K., 1081
Hedemann, H.-A., 0029f
Hedman, B. A., 0643
Hedman, P. O., 1312
Heduit, M., 1474f
Heenan, W. A., 1090
Heertjes, P. M., 0308
Heffington, W. M., 0912
Hegarty, W. P., 1349p
Hegwein GmbH, 1142f
Heidman, J. L., 0385
Hein, M. A., 1434
Heinemann, H., 0177, 1196
Heinen, K.-H., 0243f
Heinkel, J., 0656
Heinrich, C., 0276
Heinrich, G., 0562f
Heinrich Neitz GmbH, 0497f
Heitor, M. V., 1564
Helipump, Inc., 0072
Hemer, D. O., 0159
Henderson, G. J., 0024
Henderson, R. F., 0389, 0949
Hendricks, H.-J., 0126f
Hendricks, K., 0154
Hendriks, T.P.M., 1131f
Hengel, T. D., 0423
Henkels & McCoy, Inc., 0995
Henry, M. P., 0832
Henry, M. S., 0392
Hercules Inc., 1297
Heriot-Watt University, 1293

Herrick, M. W., 0619, 1002
Heskestad, G., 0094, 0463
Hevla, E., 1419
Hewlett-Packard GmbH, 0380
Hildebrand, M. A., 0381
Hill, C. G., Jr., 0312
Hill, D. T., 0813, 1194-95
Hill, R. W., 0692, 1200
Hill, T. H., 0114
Hill, V., 0180
Hill, V. L., 0838, 0840, 1205
Hills, D. J., 1325
Hills, J. M., 0803
Hilt, R. H., 0150
Himmel, R. L., 0754
Hinton, S. W., 0822
Hipley, R. L., 0196, 0446
Hironaga, A., 0326
Hirsch, L. H., 0390b
Hirst, E., 1532
Hise, R. E., 0072
Hisle, R., 0261
Hitachi, Ltd., 1388p
Hiza, M. J., 0136
Hnatiuk, J., 0305r
Hnatow, M. A., 0968
Hobbs, R. E., 0726, 1218
Hobson, P. N., 1190
Hochschule der Bundeswehr Hamburg, 0243f
Hoffmann, G., 1086f
Hoffmann, R. L., 1300-01
Hofmann, H., 0335f
Hofmeester, P. M., 1504p
Hoggarth, M. L., 0627r, 0895
Hogsett, J. E., 0715
Höhlein, B., 0703p, 1082
Holan, I., 1230f
Holder, G. D., 0512, 1039, 1433
Holland, T. H., 0114
Hollinderbäumer, J., 0677f
Hollis, A. P., 1112
Holm, W. K., 1506
Holste, J. C., 1040, 1220, 1357
Holtberg, P. D., 0150
Holzer, T. L., 1443
Home Oil Co. Ltd., 0022
Hommert, P. J., 1315
Honerkamp, J. D., 0709p
Honeywell Inc., 0114, 1145, 1248
Hong, J., 1155
Hoos, R.A.W., 0403
Hopkins, P., 0596
Hoppe, J., 0180
Horn, T., 1401f
Horne, R. N., 0157
Horner, C., 0713, 1502
Horton, A. I., 0408b
Hoskins, E. R., 1313
Hough, G. V., 0457
Houot, J.-J., 1062f
House, L., 0118
Houston, C. D., 0851
Houtman, W. H., 1537
Howard, G. J., 0198
Howard, N., 1523
Howarth, A. T., 0475
Howes, M.A.H., 0839
Hoyaux, G., 0625b, 0628b, 0636b
Hoysan, P. M., 0021
Hrbál, P., 0576f
Huang, C.-C., 0996
Huang, H.C.G., 1150
Huang, V., 0891
Huang, V.M.S., 1384
Hubena, J., 0842f
Huber, L., 0380
Hudziak, J. A., 1418
Huebler, J. E., 0620-21, 1528
Huffman, G. P., 0959
Huggins, F. E., 0959
Hulbert, L., 0362, 1526
Hulbert, L. E., 0363-64, 0734, 0741, 0744
Humenick, M. J., 0055r, 1327
Humm, H. J., 0433
Humphreys, B. A., 0840
Hundeshagen, C., 0337f
Hungarian Academy of Sciences, 0928
Hunt, E. B., 1203
Hunt, F. J., 1363
Hunter Geophysics, 0406, 0800
Hunt Oil Co., 1205
Huntoon, G. G., 0526
Hurley, J. R., 0232
Hurley, W. G., 1223
Hurst, W., 0923
Huslak, N. S., 0154
Husock, B., 0455
Huss, W. R., 0901
Hutchinson, T. G., 1052
Hwang, B.-K., 1430
Hwang, S. C., 0385
Hyatt, R., 0118
Hylton, B. G., 1199r
Hyman, D. M., 1045
Hyman, S. I., 0116

I

ICF Inc., 0047, 0434
Idenitsu Oil Development Co., Ltd., 0535
Idso, S. B., 1287r
IIT Research Institute, 0738, 0747, 0838-40, 0963-64, 1331, 1339p
Illinois Department of Energy and Natural Resources, 0144
Illinois Institute of Technology, 0040, 0882, 1418-19
Ilyushin, V. I., 1097f
Imai, H., 0327
Imperial College, 1218
Imperial College of Science and Technology, 0695, 0726, 1564
Indiana Gas Co., Inc., 0264
Indian Institute of Technology, 0416, 0687, 1323
Indian Veterinary Research Institute, 0325
Ingenieurbureau Grombach & Co., 1118f
Ingenieurbureau Grombach GmbH, 1118f
Ingenillem, U., 0482f
Ingersoll, J. G., 0237
INKOS, 0816
Institut du Genie Chimique de Toulouse, 0495f
Institute for Energy Analysis, 0889
Institut Elektrosvarki im. E.O. Patona, 1228f
Institute of Gas Technology, 0040, 0044, 0123-24, 0149, 0287, 0365, 0373p, 0428, 0438p, 0476, 0480r, 0530, 0540r, 0550r, 0551-54, 0558, 0620-21, 0651, 0658, 0684r, 0702p, 0760, 0767, 0801, 0819, 0825, 0832, 0834, 0846p, 0891, 0897, 0968-69, 0996, 1020, 1080, 1296, 1332, 1384, 1418-19, 1431, 1447, 1479p, 1493-94, 1528, 1529b
Institute of Ocean Sciences, 1445
Institut Français du Pétrole, 0017, 0283, 0573p, 0700p, 1173, 1202, 1456, 1555
Institut für Isotopenanwendung der Österreichischen Forschungszentrum Seibersdorf GmbH, 1364f
Institution Pour le Developpement de la Gazeification Souterraine, 1085, 1201
Institut National de la Recherche Agronomique, 1474f
Instituto di Ricerca Sulle Acque, 0546
Instituto Mexicano del Petróleo, 1422f-23f
Instituto Politécnico Nacional, 1422f
Instituto Superior Técnico, 1037
Intercole Systems Ltd., 1318
Intercomp, 0085
International Coal Refining Co., 0071
International Institute for Applied Systems Analysis, Austria, 0379
International Union of Geological Sciences-INSA, 0306b
Ionin, D. A., 0456f
Iowa Public Service Co., 0470
Ipsen Industries International, 1025f
Ipsen Industries International GmbH, 0498f
Ishida, M., 0978p
Isiakpere, S. E., 0967
Ito, H., 1399
Ito, K., 1071
Itoh, M., 0947
Itteilag, R. L., 1127
Ivanchuk, P. P., 0031f
Ivantsov, O. M., 0873f

J

Jablonski, J., 1031
Jack Faucett Associates, Inc., 1031
Jacko, R. B., 0818
Jackson, L., 0583, 0864
Jackson, R. G., 0251p
Jacobsen, L., 0212
Jacobsen, L. R., 0462
Jacobson, R. D., 1316
Jakahi, D. Y., 1476p
James, W. G., 0617, 1103
James, W. R., 0806
Janes, T. K., 0816
János, T., 0509
Jansen, S. D., 0769
Jawetz, P., 0132
Jeffrey, A.W.A., 1309
Jeffs, E., 1029, 1274
Jelffs, P.A.M., 0271
Jelinek, J., 0528
Jellinek, H.H.G., 0050
Jenkins, D. M., 0555
Jenkins, R. G., 0432, 1468
Jennings, J. W., 0547r
Jensen, K. F., 1187
Jensen, R. J., 1007
Jensen Associates, Inc., 1046
Jenyon, M. K., 0290, 0934
Jepson, P., 0585
Jerger, D. E., 0551, 1332
Jeschar, R., 1158f
Jestin-Fleury, N., 0787
Jett, M. D., 1155
Jewulski, J., 0902
J.F. Simes and Co., Inc., 0660
JGC Corp., 0847p
Jinsi, B. K., 0988
Johansson, L., 1537
John, P. W., 0284
John, V. T., 0512
Johns, T. G., 1350, 1513-14
Johnsen, S., 0412
Johnson, D. O., 0831
Johnson, I. D., 0107p
Johnson, K. W., 0776
Johnson, O. D., 1414
Johnson, W. A., II, 0465
Johnson Controls, Inc., 0446
Johnson Matthey Research Centre, 0770
Johnston, R. R., 0158
Johnston, V. L., 0595
Johnston, W., 0209, 0454
Jones, B. L., 0078
Jones, C. A., 1266p-72p
Jones, D. G., 0596
Jones, D. R., 0023, 0738, 0747
Jones, J. C., 0236
Jones, J. E., Jr., 0810
Jones, K., 0772
Jones, M. L., 0184
Jones, S. K., 0680
Jordense, W. J., 1151f
J.P. Kenny & Partners Ltd., 1225
Juhász, M., 1542p
Jüntgen, H., 1179, 1334f
Juznic, K., 0050

K

Kachi, H., 0050
Kahvand, H., 1418
Kaiser, V., 0730
Kalelkar, A. S., 0740
Kallaguine, S. C., 0256
Kalra, S. K., 0013
Kamath, V. A., 1039
Kamei, E., 0227, 0742, 0883
Kansas State University, 1183
Kantour, M., 1441
Kao, S.-W., 0168
Kaplan, A. B., 1108
Kaplan, I. R., 0297
Karim, G. A., 1285, 1562
Karp, L., 1534
Karpathy, S. A., 0989
Kashfi, M. S., 0291
Kashyap, H., 0121
Kasprzyk, M., 1137
Kat, C., 0303
Katsnel'son, T. S., 0862f
Katz, H. R., 0298
Kaustinen, O. M., 0447
Kavernen Bau- und Betriebs-GmbH, 0466, 0505f
Kawada, S., 0062
Kazak, A. S., 0863f, 1106f, 1509f
Kazarnovskii, Y. S., 1283f
KBW Gasification Systems, Inc., 0062
K.D. Malaviya Institute of Petroleum Exploration, Oil and Natural Gas Commission, India, 0306b
Kececioglu, I., 0105
Keeley, D. F., 0272
Kelly, C. R., 1074
Kelly, M., 1046
Kemetner, F., 1408f
Kendall, R. M., 0372p
Kennard, M. L., 1420
Kennedy, E. M., 1374
Kennicutt, M. C., II, 1309
Kenny, G. M., 1293
Kensell, W. W., 0441
Kentucky Energy Cabinet, 0810
Kern, J. W., 0539, 1059
Kernforschungsanlage Jülich GmbH, 0703p, 1008p, 1082
Kesselring, J., 1392
Kesselring, J. P., 0372p, 0761-62, 0890, 1255
Ketel, G., 0743, 1368f
Khalyuk, S. S., 1096f
Khan, A. R., 0914
Kharbanda, V. P., 0548
Kharionovskii, V. V., 0090f
Khartsyzk Tubeworks, U.S.S.R., 1107
Khinkis, M., 0767
Khinkis, M. J., 0124, 0760, 0897
Kicks, B. J., 0880
Kidnay, A. J., 0136, 0382, 0777
Kiefer, J. R., 0896
Kiefer, R. D., 0211
Kiefner, J. F., 0201, 0346
Kilham, J. K., 0779
Kim, B. M., 0443
Kim, K. Y., 1331
Kim, S. D., 0318
Kimball, J. G., 0503
Kimura, S., 0946
Kimura, S. G., 0443
Kin, F. R., 0442
Kinast, J. A., 0480r
King, G. R., 0529
King, H. R., 0026, 1065
King, J. D., 0735
King, M. S., 0467
Kinsell, R. C., 1260p
Kitaguchi, J., 0947
Kitamura, Y., 0050
Kitchener, I. J., 0967
Kittrell, J. R., 1320
Klass, D. L., 0540r, 0684r, 0699p
Klein, D. E., 0047, 0434
Klein, U., 0775
Kleinewefers Energie- und Umwelttechnik GmbH, 1158f
Kliman, M. L., 0379
Klimstra, J., 0584, 1126f
Kline, F. J., 1527
Klöckner Wärmetechnik, 1133f
Klose, J., 0541
Knapp, H., 1559
Kneebone, C. H., 0587, 1105
Kniazeff, F., 0165
Knieriem, A., 0498f
Knowlton, T. M., 0552
Kobayashi, R., 0381, 0441, 0646, 1038, 1155, 1556

Kobe Steel Ltd., 1028
Kobussen, A.G.C., 1379, 1539f
Kocache, R., 0765f
Koch, M., 0944
Kohan, S. M., 0421
Köhler, E., 1139f
Köhlin, S.-E., 0697
Kohn, J. P., 0511, 1417
Kohnken, K. H., 1018
Kokayeff, P., 0314
Kolodgy, R. J., 0905, 1414
Komodromos, C., 0967
König, I., 1366f
Koninklijke Bos Kalis Westminster Group N.V., 1504p
Kono, H. O., 1479p
Konrad, J.-M., 0719
Koopman, R. P., 0211
Köppen, H., 1263f
Korea Advanced Institute of Science and Technology, 0318
Korean Naval Academy, 1224
Koren, S., 0464p
Korenberg, J., 0767
Kornosky, R. M., 0688
Korosi, F. A., 0436
Kosar, D. R., 1375
Kosky, P. G., 1069
Kosowski, G. M., 0834
Kosseim, A. J., 0567, 0704
Kosstrin, H. M., 1403
Koster, W.M.P.B., 0022
Kotchick, D., 0125, 0492, 1135, 1543
Kotera, Y., 1322
Kothari, K. M., 0094
Kowal, W. M., 0246p
Kozitskii, V. I., 1109f
Kraft Hausherr GmbH & Co. KG, 1390f
Kragas, T. K., 1038
Kralik, J., 1213f
Kramer, C., 0496f
Kramer, G. M., 0172
Kramer, S. R., 0468, 1000
Krantz, W. B., 0052r-54r, 1083, 1084r
Krasulin, I. D., 1096f
Kratky, L., 1352f
Kreglewski, A., 0259, 0384
Kremer, H., 1391
Kretzschmar, H.-J., 0109f
Krieg, E. A., 0293
Kriegel, E., 1338p
Krieger, B. B., 0424
Krill, W., 1392
Krill, W. V., 0761
Krings, R., 0531f
Krishnan, G., 0913
Krissinger, S. S., 0724
Kristiansen, O., 1209p
Krumm, R. J., 0684-86
Krupka, M. C., 0904
Krupp Südwestfalen AG, 0243f
Kry, P. R., 0400
KTIRPiKh, 1096f
Kuby, O. A., 0436
Kuczma, E. G., 0099
Kuipers, W. W., 1389p
Kumar, K. H., 0257, 0261, 0514, 1558
Kumm, W. H., 0711
Kunc, V., 0767
Kung, H. H., 0780
Kunii, D., 0064, 0329
Kunugi, Y., 1388p
Künzl, K., 1364f
Kunzru, D., 0416
Kuramoto, M., 0329
Kurth, M., 1085, 1201
Kuster, H.-W., 0496f
Kutz, L. J., 0818
Kuuskraa, V. A., 1442
Kuznetsov, N. D., 0868f
KVB, Inc., 1134
Kyoto University, 0947
Kyriakides, S., 1226
Kyushu University, 0326

L

LaBoon, J. T., 0142
LaBrecque, J. F., 0587, 1105
Lacewell, R. D., 0559
Lacey, J. A., 0549r
Laclede Gas Co., 0117, 0616
L&C Steinmüller GmbH, 1478p
Lafave, I. V., 0092
Lagus, P. L., 1453p
Lake, E. A., 0024
Lake, L. W., 1171
Lam, C. W., 0967
La Mantia, G., 1497p
Lamby, E. J., 1069
Lancet, M. S., 0977p
Lane, A. G., 0037
Lang, R. P., 0721
Lang, Z., 0109f
Langenberg, M., 0261
Langford, D. A., 1058
Langridge, S., 1276f
Lanzhou Chemical Co., 1421f
Lapp, M., 0781
Lapshin, B. M., 1219f
Laquer, H. L., 0904
Larcher, E., 1354f
Larocque, G. R., 0740
Larrousse, J.-A., 0207f
Larsen, J. W., 1077
LaScola, J. C., 1045
Lasneret, J.-P., 1474f
Latoka Engineering, Inc., 0709p
Lauffer, D., 1142f
Laurence, L. L., 0648
Laurmann, J. A. 0166
Lauzon, R. V., 1297
Laval University, 0256
Lavedan, G., 0216f
Lavely, F. E., 0635p
Law, C. K., 1286
Lawrence, G. H., 1289
Lawrence, K., 0212
Lawrence, M., 1031
Lawrence Berkeley Laboratory, 0177, 0467, 1196
Lawrence Livermore National Laboratory, 0036, 0056, 0211, 0263, 0309, 0692, 1043r, 1200, 1298
Lea, J. F., Jr., 1167
Leach, G., 0226
Leahey, D. M., 1340
Lear Siegler Inc., 1261
Leasure, C. S., 0593
Lebedeva, L. N., 1113f
LeBoeuf, Lamb, Leiby & MacRae, 1160
Lede, J., 0425
Ledent, P., 1085, 1201
Lee, A. L., 0044, 0968, 1080
Lee, D., 1077
Lee, J. H., 1150, 1415
Lee, L. L., 1282
Lee, M., 0944
Lee, M. H., 1092
Lee, M. L., 0961
Lee, S., 1466
Lee, W., 0378p
Lee, W. H., 0049
Legarreta Macau, M., 1524f
Lehigh University, 0097, 1077, 1491
Lehr, L., 0737
Leibowitz, H. M., 1144
Leipziger, S., 0996, 1418-19
Leirado Campo, J., 1229f
Lennox Industries, 1385, 1533
Lent, L., 1031
Leonard, J. J., 1266p-72p
Leonida, A., 1552
Le Page, J.-F., 0700p
LePori, W. A., 0559
Leppin, D., 0180
Lerner, B. J., 1301
Lescarboura, J. A., 0791
Lesgent, B., 0218f
Lessi, J., 1202
Le Testu, P., 0355f
Levi, D. E., 0370p
Levie, B., 0426
Levin, D. M., 0410
Levin Consulting, 0410
Levine, A. H., 1538
Levy, A., 1561
Lewin and Associates, Inc., 1047, 1442
Lewis, R. D., 1098
Lewis, R. P., 0970
LGA Gastechnik GmbH, 0091
Li, M. H., 1282
Li, T. C., 0071
Li, T. K., 1085, 1201
Liao, P. H., 0544, 0812, 1188
Libby-French, J., 0538
Lieberman, N. P., 1487p
Liley, P. E., 0262
Lin, M. C., 0959
Lin, Z.-S., 0682
Linden, H. R., 0393
Linton, M., 0815
Lipinsky, E. S., 0555
Littell, R., 0146
Littrell, H., 0085
Ljones, T. E., 1457
Lo, K. V., 0544, 0812, 1188
Locklin, D. W., 0242, 0508, 0633, 1249
Logica BC, 0063
Lohmann, C., 0562f
Lohoff, K., 1143f
Lokoshchenko, A. M., 1216f
Lommerzheim, W., 0185p, 0844p
London, P. A., 0151
Long, G. M., 0365
Lore, J. A., 0981
Loren W. Crow Consultants, Inc., 1373
Lorton, R., 1021
Los Alamos National Laboratory, 0904
Louisiana Gas Service Co., 0737
Louisiana State University, 0799
Louisiana State University-Baton Rouge, 0394, 0397, 0683, 1041, 1430
Love, T., 0008
Lovelace, D. E., 1235
Lovelace Biomedical and Environmental Research Institute, 0389, 0949
Loyola University, Chicago, 0178
Lubitz, E. P., 1098
Lucas, D. M., 1110
Lucero, D. P., 0672
Ludwig, M. S., 0579
Luebcke, E. H., 0747
Lukasiewicz, M., 1392
Lukay, R., 1054
Lukianova, T. M., 0590p
Luks, K. D., 0511, 1417
Lund, C.R.F., 1197
Lur'e, M. V., 1113f
Lurgi Kohle und Mineralöltechnik GmbH, 0698f
Lustiger, A., 0118, 0360-62, 1526
Lutter, W. J., 0296
Lutz, E. F., 0983p
Lux, J. J., Jr., 1249
Lux, M. D., 0075-76
Luyben, W. L., 1491
Luz Engineering Corp., 0715
Lytwynyshyn, G., 0831

M

Mace, W. D., 1051
Macfarlane, R. D., 0957
Machii, N., 1381
Mack, J., 0789
Macriss, R. A., 0373p, 0476, 0891, 1384
Maddox, R. N., 0582, 0647, 0716-17
Magee, J. W., 1155, 1556
Magic Chef, Inc., 0635p
Maike, B. R., 0635p
Mailloux, R. L., 0588
Mainguy, M., 0939f
Mak, H., 1211
Makovický, V., 0576f
Makovskii, V. A., 0250f
Maksimov, V. M., 1113f
Malès, R. H., 0391
Malone, R. D., 0675
Mamedov, A. I., 1510f
Mamedov, N. Y., 1233f
Mamoun, M. M., 0097, 0744-45
Manago, A., 1381
Mancini, E. A., 1307
Mandl, A. D., 1160
Manian, V. S., 0630
Mankin, C. J., 0523
Manley, D. L., 1538
Mann, D. B., 0587, 1105
Mann, R. E., 0707p
Mannesmann Forschungsinstitut GmbH, 1360, 1515
Mannesmann Research Institute, 0927
Mannesmannröhren-Werke AG, 0531f, 1360, 1515
Manz, O. E., 0184
Marano, S., 1231
Marano, V., III, 0189p
Marathon Oil Co., 0107p
Marathon Oil U.K., 0345
Marchal, D., 1250f
Marconi Avionics Ltd., 0583
Maricle, D. L., 0248p
Marine Technology Support Unit (AERE), 1225
Markel, K. E., 0852b, 1344b
Markham, R., 0362
Markham, R. L., 0361, 0745
Markova, L. M., 0108f
Markowitsch, P., 1364f
Markson, M., 0331
Markson, M. L., 0426
Marland, G., 0265, 0518-19
Marley, M., 0808, 1114
Marrast, J., 1202
Marshalla, R. A., 0004
Martin, A. M., 0817
Martin, G. A., 0311
Martin, J. W., 0972b, 1204
Martin, R. J., 1038
Martinell, R., 0830
Maru, H., 1552
Marusak, T. J., 1245, 1385
Marx, C., 0676f
Marx, E., 1133f
Marzouk, H. A., 1279
Mashayekhi, A., 0007
Massachusetts Institute of Technology, 0033, 0105, 0798r, 1168
Massaquoi, J.G.M., 0173-74
Massey, L. G., 0072
Massmann, J. W., 0696
Masters, J., 0377p, 0489
Masuda, H., 0327
Materials Research Laboratory, Inc., 0097
Mathews, J. L., 0397
Matson, J. V., 0405
Matsumoto, O., 1111p
Matsuo, T., 0042, 1483p
Matsuoka, S., 0847p
Mattavelli, L., 0415
Matthew Hall Engineering Inc., 0441
Maunder, D. J., 1311
Maunier, J.-L., 0366f
Maxey, W. A., 0744
Maxwell Laboratories, Inc., 1453p
May, J. E., 1301
May, R. L, 0571p
Mayer, M. M., 0374
M.B. Gardner Co., Inc., 0210
McCarthy, G. J., 0184
McCarthy, R., 0471
McCarty, R. D., 0254
McCaslin, J. C., 0002, 0933
McClintock, W. A., 0708p
McClure, D. C., 0080
McConnell, D. P., 1350, 1513-14
McConnell, V. D., 1429
McCoy, R. L., 0383
McCulloch, E., 0981
McCullough, J. G., 0704
McCutchen, J. N., 1046
McEwing, R. W., 0083
McFadden, R. W., 1261
McFall, R., 0261
McFall, R. L., 0257
McFarlane, A.M.L., 0354
McGinnis, N. F., 0019-20
McGowan, R. J., 0858
McGrew, H. J., 0300
McGuire, P. L., 0534p
McKay, L. B., 0827
McKee, D. W., 1069

McKee, F., 1212
McKee, R. L., 0441
McKerihen, S. J., 0894p
McKinnon, Allen & Associates (Western) Ltd., Canada, 0981
McKinsey & Co., Inc., 0147
McManus, S. E., 1105
McMullan, J. H., 0799
McRae, T. G., 0211
McVicker, G. B., 0172
Mead, S. W., 0056
Mead, W. J., 0282
Mechanical Technology Inc., 1144, 1245, 1385
MEGAL GmbH, 0990
Megill, R. E., 1177
Mehra, Y. R., 0572p
Meigs, J. V., 1063
Meissner, R. E., III, 0850
Melsen, A., 1420
Memorial University of Newfoundland, 0817
Menchu, J. F., 0814
Mennella, R. J., 1115p
Mensah, E. K., 0884-86
Mercer, J. C., 0408b, 0670
Meredith, D., 0297
Meriwether, J. R., 0272
Meroney, R. N., 0094-95, 0601
Merrill, R. C., 0511
Merrill, R. C., Jr., 1417
Merryman, E. L., 1561
Merten, G. P., 0504
Messerschmitt-Bölkow-Blohm GmbH, 0335f
Metal Properties Council, Inc., 1331
Meyer, B. L., 0681
Meyer, H., 0180
Meyer, M., 1354f
Meyer, N., 1396f
Meyerhoff, A. A., 0268, 0293
Meyers, S., 1370
MFF UK, 1348f
Michael Smith & Associates Inc., 0023
Michigan Wisconsin Pipe Line Co., 0080
Midwest Research Institute, 0113
Miertus, S., 1348f
Miertusova, I., 1348f
Milanchev, V. S., 1227f
Miles, V. C., 0422, 1460
Milgram, J., 1168
Millar, J. D., 0748
Miller, J. F., 0508
Mills, J., 0011-12
Milosavljević, M., 0816
Minderhoud, P. A., 0239f
Mindlin, V. G., 1108
Mingazprom, 0250f
Mink, R. M., 1307
Mishima, M., 0947
Mitchell, M. J., 0184
Mitrokhin, M. Y., 1214f
Mitsudomi, H., 1265p
Mitsui Engineering and Shipbuilding Co., Ltd., 0058
Miyamoto, A., 0327, 1182
Mizner, G. A., 0458
MK-Shand & Shaw, 0195
MKTElavtoprom, 1395f
Mobil Exploration and Producing Services Inc., 0159
Mobil Oil Corp., 0378p, 1475p
Mobil Oil Exploration & Producing Southeast Inc., 0795
Mobil Oil Indonesia Inc., 1053
Mobil Research and Development Corp., 0016, 1176
Modisette, Inc., 0580, 0718
Modisette, J. L., 0580, 0718
Mogil'nyi, V. I., 1109f
Mohandas, P. N., 0035, 1076r
Mohebi-Ashhani, A., 0779
Moldzio, G. B., 1308
Monk, T. E., 1300
Monsanto Research Corp., 0674
Montana Power Co., 0567
Montana State University, 0324
Montanuniversität Leoben, 1139f-40f
Monteiro, J.L.F., 0169
Mooney, W. D., 0296
Moore, Barrett & Redwood, 0271
Moore, C. A., 0696
Morck, C. W., 0501p
Morel, F.M.M., 0404
Morgan, R. P., 0230
Morgantown Energy Technology Center, 0408b, 0418r, 0435, 0675, 0852b, 0919, 0972b, 0974, 0975b, 0980, 1198r, 1204, 1344b
Morgenstern, N. R., 0719
Mori, T., 0327, 1182
Morillon, R., 0127f
Morita, S., 0231p
Morra, F., Jr., 1047
Morris, D., 1237-38
Morse, W. F., 1241
Mortko, R. A., 1207
Moschandreas, D. J., 0738, 0747
Moseidjord, A., 0282
Moskitis, T. L., 0506, 1006
Moskovskii Aviatsionnii Institut im. S. Ordzhonikidze, 0515f
Moskovskii Institut Neftekhimicheskoi i Gazovoi Promyshlennosti im. Akad. I.M. Gubkina, 0456f, 0855f, 0863f, 1106f, 1113f, 1216f, 1509f-10f
Moskovsky Institut Khimicheskogo Mashinostroenia, 0590p
Moss, G., 1480p
Moss Landing Marine Laboratories, 0295
Moss Rosenberg Verft A/S, 0464p, 1209p
Mountain Fuel Supply Co., 0603
Moussa, N. A., 0096
Mousselli, A. H., 0343, 0985
Mrázek, J., 0449f
Mroz, T. H., 0919
Mruk, S. A., 0750
Mudan, K. S., 0874
Mudge, L. K., 1464
Muenger, J. R., 0060
Muenzler, M. H., 0342
Mugno, J. F., 1290
Mühlmann, H. P., 1247
Mukhina, L. P., 0137
Mukhopadhyay, S. N., 0687
Mulholland, P. M., 0224
Mulik, P. R., 1346b
Mullaney, J. J., 1221
Mullen, J. J., 1533
Mullen, M. W., 0404
Müller, R., 0032
Mullins, H. T., 0295
Muñoz, F., 0387
Murakami, Y., 0327
Murin, T. M., 0680
Murphy, D. B., 0196
Murphy, J. J., 0462
Murphy, K. P., 1242
Murrieta Guevara, F. R., 1423f
Muselaers, T.C.M., 1030f
Muszynski, L. C., 1361p
M.W. Kellogg Co., 0103, 0245p

N

Nacouz, E., 0525
Nadaud, J.-F., 1294f
Naess, E. B., 1303p
Nafta, Czechoslovakia, 0109f
Nagata, A., 1028
Nagel, D. K., 0295
Nagoya University, 0327, 1182
Nagy, Z., 0570f
Nakajima, H., 0042
Nakano, K., 1325
Nakayama, B. A., 0119
Narang, K., 0756p
Narang, R. K., 0756p
Narasimhan, R., 1470
Narukawa, S., 1381–
National Association of Corrosion Engineers, 1222
National Center for Appropriate Technology, 1075, 1128
National Coal Board, 1472
National Economic Research Associates, Inc., 0520
National Engineering Laboratory, 0450
National Fire Protection Association, 0236
National Institute for Research in Dairying, U.K., 1193
National Institute of Agricultural Engineering, U.K., 1193
National Institute of Science, India, 0548
National Polytechnic Institute, Mexico, 0814
National Research Center, Egypt, 1328
National Research Council, 1432
National Research Council of Canada, 0719, 0948, 1319
Natural Gas Corp. of California, 0294
Natural Gas Pipeline Co. of America, 0452-53, 0579, 1104, 1506
Neal, E., 0234
Nederlandse Philips Bedrijven B.V., 0484f
Nederlof, M. H., 0681
Neff, D. E., 0094, 0601
Neglyad, E. V., 1107
Nelson, F. J., 0376p
Nelson, S. G., 0436
Nemerow, N. L., 1470
Neotechnology Consultants Ltd., 0022
Nesbitt, D. M., 0004
Neukermans, G., 0545
Neumann, E.-G., 0640f
Nevrala, D. J., 1376
Newberg, M., 0651
New Jersey Institute of Technology, 1560
Newman, J. R., 0822
New Mexico Bureau of Mines & Mineral Resources, 1178
New Mexico State University, 0593
Newquist, D. E., 1288
Newton, C. L., 0875p, 0997p
Newton, G. J., 0389
New York Sea Grant Institute, 0827
New Zealand Geological Survey, 0298
Ng, A. S., 0167
Nguyen, T. D., 0061
Nicholas, D. M., 0071
Nicod, M.-A., 0160
Nicolaon, G. A., 0148
Niederl, H., 0610f
Niederrheinische Gas und Wasserwerke, 0482f
Niedersächsisches Landesamt für Bodenforschung, 0029f
Nienaber, J. H., 1205
Nieves, L. A., 1428
NII Elektronnoi Introskopii, 1219f
Niizuma, H., 0327, 1182
Nikitenko, E. E., 1100f
Niobium Products Co. Ltd., 0078
NIOGAS Niederösterreichische Gaswirtschafts-AG, 1408f
Nitskevich, V. P., 0590p
Noe, J. C., 1260p
Nolan, M. E., 0586
Nolte, E., 0604f
Noordam, C., 0289f, 0881f
Nordstedt, R. A., 1469
Noril'skgazprom, 0090f
Norman, R., 0585
Norman, R. S., 0110, 0365
NORSHIR Consultants, Inc., 1455
North, M., 0257
North Carolina State University, 1186
North Dakota State University, 0184
Northern Engineering International Co., 1210
Northern Indiana Public Service Co., 0093
Northern Liquid Fuels Co., 1490
Northern Natural Gas Co., 0079
North of Scotland College of Agriculture, 1190
Northwestern University, 0746, 0780, 0823, 1286
Northwest Pipeline Corp., 0082, 0202
Norton, H. E., 0143
Norton Drilling Systems, 0270
Norwegian Institute of Technology, 0285
Norwegian Petroleum Directorate, 0412
Novak, E., 0842f
Nowak, L. G., 0766p, 1026p
Nowikow, L. M., 0641f
Nowsco Well Service Ltd., 1054
Nozawa, R., 0602p, 0731p
Nunes da Ponte, M., 1037
N.V. Bouwfonds Nederlandse Gemeenten, 1541f
N.V. Nederlandse Gasunie, 0083, 0155f, 0205, 0239f-40f, 0288f-89f, 0517f, 0584, 0666f, 0881f, 1022f, 1126f, 1129f, 1387f
Nyman, K. J., 0720

O

Oakes, B. D., 1496p
Oak Ridge Associated Universities, 0001, 0005, 0265, 0518-19
Oak Ridge National Laboratory, 0557, 1532
Oakwood, T. G., 0861
Oates, G. K., 0643
Oberholtzer, J. E., 0748
O'Brien, T. B., 1169, 1439
O'Brien-Goins-Simpson, Inc., 1169, 1439
O'Brien-Goins-Simpson & Associates, Inc., 0398
Odawara, Y., 0978p
Odehnal, S., 1335f
Odishariya, G. E., 0213f
Oelker, W., 0569f
Oey, H. S., 0999r
Offshore Production Systems Inc., 1052
Offshore Technology Corp., 1057
O'Grady, W. E., 0771
Ogurtsov, A. P., 0590p
O'Hair, J. G., 0586
Ohio State University, 0430, 0688, 0696
Ohio University, 0828
Ohtsuka, Y., 0057
Oil and Natural Gas Commission, India, 0306b, 1306
Oilfield Inspection Services, 0528
Ojo, A. T., 0785
Okabayashi, M., 1381
Okamura, S., 0042
Okane, K., 0042
Okiura, K., 0231p
Oklahoma State University, 0582, 0647, 0716-17
Olah, G. A., 0768p
Olien, N. A., 0136, 0260
Olin Corp., 0566p
Oliver, B., 1193
Oliver, E. D., 0421
Oliver, J., 0411
Oliver, R. E., 0491
Olsen, R. S., 0164
Olson, D. C., 0984p
Ondik, H., 0965
O'Neill, R., 0656
ONGC, see Oil and Natural Gas Commission, India
Ongsiek, K., 1024f
Onischak, M., 0834
Ontario Hydro, 1223
Operational Economics, Inc. (OPCON), 0659
Orchard, W.R.H., 1405
Orchard Partners, 1405
Orlov, V. N., 0868f
O'Rourke, T. D., 0623
Orrit, J. E., 0133
Osaka Gas Co., Ltd., 1265p, 1381, 1399
Osaka University, 0946, 1071
Osborne, D., 0786
Osennii, V. S., 0250f
Osif, T. L., 0530
Ostensen, R. W., 0395
Otake, T., 0946
Otarod, M., 0315-16, 0968
Otto, D., 0639f, 1391
Ours, A., 0122f, 1259f
Overend, R. P., 1319
Owens-Illinois, Inc., 0376p
Oyler, D. C., 0407
Ozawa, S., 0315-16
Ozdogan, S. Z., 0170

P

Pacey, J. G., 0829
Pacific Interstate Offshore Co., 0985
Pacific Offshore Pipeline Co., 0343
Padernoz, H., 1511f
Page, M. W., 0488, 1235
Pain, B. F., 1193
Pak, P. S., 1071
Palat, P., 0558
Palermo, E. F., 0752
Palfalvi, G., 0591p
Pall Well Technology Corp., 1435
Palosz, M., 1004f
Palsma, A., 0233f
Palz, W., 0962b
Pam, R. L., 1255
Pamidimukkala, K. M., 1369
Panarctic Oils Ltd., 0402
Panhandle Eastern Pipe Line Co., 0081, 0197, 0589, 0595
Pannill, W., 1159
Panov, G. E., 0855f
Papaspyropoulos, V., 0362, 0364, 0741
Papp, I., 0591p
Paradowski, H., 0730
Parent, J. D., 0149, 0658, 1296, 1431
Pariani, R. L., 0128p
Parisi, B., 1058
Park, D. A., 1164
Parkes, S., 1523
Parkin, C. W., 0406, 0800
Parkyns, N. D., 0967
Parnell, C. B., Jr., 0559
Pasquinelli, D. M., 1138, 1545
Patani, A., 1248
Patch, K., 0893
Patel, J. G., 0558
Patel, P., 1552
Paterson, N. P., 1472
Paton, R., 0701p
Patterson, M. A., 0189p
Pattison, J. R., 1382
Paul, D. D., 0633
Paul, R. A., 0693
Paulin, M. O., 0436
Pavlova, E. B., 1283f
Pavone, A. M., 0021
Pearman, A.N.J., 0114
Pearson, E. J., 1251
Pearson, J., 0613
Pearson, J. C., 1365
Peaslee, A. T., 0904
Pechey, R., 1117
Peck, G. E., 0193
Peebles, M.W.H., 0352
Pegrum, R. M., 1457
Pelloux-Prayer, D., 1254f
Pendley, M. R., 1170
Penner, S. S., 1374
Penney, C. M., 0781
Pennsylvania State University, 0021, 0423, 0432, 0529, 0820, 0910, 1066, 1458
Penswick, B., 1244
Perez, E. P., 1094p
Perloff, A., 0965
Perly, P., 1511f
Perreau, P., 1202
Perret, J.-P., 1474f
Perry, F. A., 0995
Perry, J. H., 0407
Perry Gas Cos. Inc., 0851
Persons, R. W., 0507
Pervier, J. W., 0189p
Pesa, F. A., 1404p
Peters, J. W., 0220, 0609
Petersen, G. T., 0955
Peterson, C. A., 0436
Peterson, C. L., 0611
Peterson, E. W., 1453p
Peterson, J. K., 0119
Peterson, K., 1058
Peth, S., 1047
Petit, H., 0214f
Petrak, J., 0842f
Petrik, M., 0072
Petro-Canada, 0461, 1340
Petroconsultants S.A., 0160
Petty, L. E., 1092, 1489
Petzet, G. A., 0668, 0922
Peyrer, H. P., 0562f
Pfafflin, J. R., 0223
Pfau, H., 0498f, 1025f
Pfeffer, J. T., 0168
Pfeister, S. L., 0025
Pfund, P., 1086f
Philadelphia Electric Co., 0733
Phillips, B. A., 1242
Phillips Engineering, 1242
Phillips Petroleum Co., 0068, 0592, 0708p, 0856p, 1094p
Phung, D. L., 0889
Physical Sciences Inc., 0435
Pickup, G. A., 0627r
Pieper, H., 1559
Piette, M. J., 0938
Pignocco, A. J., 0959
Piguet, C., 1458
Pilavachi, P. A., 0625b, 0636b
Pimbert, S. L., 1376
Pinkham, D., 1001
Piotrowski, A., 0432
Pipeline Engineering GmbH, 0677f
Piper, N., 0126f
Piperopoulou, H., 0435
Pirard, Y. M., 0165
Pirrwitz, D., 0962b
Pistorius, G.P.F., 0597f
Pitman, W. D., 0833
Pittsburgh Energy Technology Center, 0688
Pitz, R. W., 0781
Pitz, W. J., 0263
PKAZ, K.P., 0437f
Plastic Pipe Institute, 0750
Platt, J. D., 0667
PLIDCO, 0082
PLT International, Inc., 0989
Plummer, E. W., 0907
Plynoprojekt, 0712f, 1352f
PMB Systems Engineering Inc., 0009-10, 0156, 0345
Podio, A. L., 0011-12
Podlasek, R. J., 0130
Podruzny, M. F., 0948
Poels, J., 0545, 0942
Pohlmann, H.-J., 1008p
Polák, J., 0449f
Polar Gas Project, 0447
Polish Academy of Sciences, 0902
Pollard, J.-Y., 0729f
Pollastro, R. M., 0802
Polley, J. L., 1452p
Pollin, J., 1038
Pollock, T. C., 0559
Polozov, A. E., 1097f
Polthier, K., 0243f
Polytechnic of the South Bank, 1189
Polytechnic of Wales, 0546, 1193
Ponce Ramirez, L., 1422f
Pool Co., 0921
Pope, G. A., 1171-72
Pope, S. B., 1284
Pöpperling, R. K., 0927
Pospishil, C., 0985
Potuzak, K., 0712f
Potvin, B., 0217f
Povstanyuk, V. M., 0208f
Prabhat, K., 0362-63, 0744, 1526
Prakla-Seismos GmbH, 0604f
Prausnitz, J. M., 0510, 0775
Preece, C., 0613, 1365
Premel, U., 1478p
Preussag AG, 0284
Princeton University, 1043r, 1153, 1239
Probert, S. D., 0219
Propak Systems Ltd., 1091, 1488
Protech International B.V., 1516
Prout, C., 0478
Prüser, U., 0337f
Public Service Co. of Colorado, 0115, 0653
Public Service Electric and Gas Co., 0614
Pudick, S., 1409p
Pugh, R. R., 0490
Puragason, R. S., 0851
Purdue University, 0046, 0262, 0818, 1415
Putnam, A., 0911r, 1561
Putnam, A. A., 0242, 0485p
Pyle, D. L., 0695
Pyrenco, Inc., 0564p
Pyron, A. J., 0807

Q

Quarles, W. R., 0857
Quast, P., 0466
Quick, A. N., 0937
Quin, R., 0991, 1099
Quinlan, M., 0913, 0926
Qureshi, M. A., 0548

R

Raber, E., 0036
Rachford, H., Jr., 0085
Radhika, L. G., 0035, 1076r
Radian Corp., 0816
Radke, C. J., 0467
Radovic, L. R., 1468
Raghavan, R., 0277, 0931
Raines, J. T., 0100, 0600
Rajan, S., 1563
Rakhmanov, F. G., 1351f, 1510f
Ralph M. Parsons Co., 0850
Ramalho, R. S., 0256
Rambach, G. D., 1563
Ramsden, H. D., 0673
Rand Corp., 1427
Randell, J. E., 0235
Randolph, P. L., 0287, 0801
Ranjhan, S. K., 0325
Rasmusen, H. J., 0575
Rasmussen, J. A., 0938
Rassak, D., 0845p
Ratard, D., 0729f
Raven, P.W.J., 1225
Rawat, M. S., 0585
Ray, B. D., 1489
Raychem Corp., 0869
Raymond, D., 0536
Raytheon Co., 0369p-70p, 0755p
Ray W. Herrick Laboratories, 1150
Razgaitis, R., 1249
Razik, A., 1332
Reed, T. B., 0331, 0426
Regional Research Laboratory, India, 0035
Rehder, S., 0028
Reich, R., 0387
Reid, E. A., Jr., 1241
Reid, R. C., 0105
Reider, C., 0767
Reintsema, S. R., 0205, 0257
Reiser, C. A., 0248p
Reister, D. B., 0005
Remington, W. M., 0579
Renfroe, D. A., 0912
Renshof, P., 1032f
Rentler, R. J., 0106p
Renz, M., 1246
Rescalli, C., 1343, 1492
Research Institute of the Hungarian Hydrocarbon Industry, Hungary, 1004f
Resources for the Future, Inc., 0152
Reuther, J. J., 0910, 1066
Reyes, S., 1187
Reynolds, A. C., 0277
Reynolds, A. C., Jr., 0931
Reynolds, H. R., 0474p
Reynolds, Smith & Hills Architects-Engineers-Planners, Inc., 0822
Reznik, V. E., 0868f
Rheinische Braunkohlenwerke AG, 0043, 1334f
Rheinisch-Westfälische Technische Hochschule Aachen, 0066f, 1023f
Rhines, J. M., 1546
Rhoads, G. A., 0581
Rialan, J., 1456
Rib, D., 1330
Ricchiuto, T., 0415
Rice, R. W., 1321
Rice University, 0027, 0381, 0405, 0441, 0646, 1038, 1155, 1166r, 1556
Richardson, R. D., 0175
Richers, D. M., 1459p
Richey, C. B., 0818
Richmond, C. A., 0901
Richter, J., 0706f
Ricke, H.-B., 1398f
Rieger, N. F., 0753r
Riehl, F., 0888p
Rietveld, F.A.J., 0483f, 1540f
Riggs, J. B., 0051, 0173-74, 0429
Riley, G. E., 0092
Rios, C., 0310
Ripling, E. J., 0097
Rising, B., 1561
Risk and Industrial Safety Consultants, Inc., 0225, 0359
Rissik, S. A., 0155f
Rivkin, M., 0491
R.J. Brown & Associates (Netherlands) B.V., 0988
R.J. Brown & Associates of America, Inc., 1350, 1513-14
Robbins, C. A., 1305p
Robbins, J. E., 0324
Robert M. Sneider Exploration, Inc., 1065
Roberts, G.F.I., 0549r
Roberts, J. A., 1407
Roberts, R. J., 0667
Robertshaw Controls Co., 0888p
Robinson, C. W., 0332
Robinson, E. R., 0271
Robinson, R. W., 1469
Roche, M., 1354f
Rochester Gas & Electric Corp., 0624
Rock Island Refining Corp., 0264
Rockwood, D. L., 0833
Rodeick, C. A., 0077
Roe, D. R., 1110
Roeger, A., III, 0810
Rogier, J., 0127f
Roginski, O. G., 0641f
Rolls-Royce Ltd., U.K., 1407
Rolstadas, A., 0285
Rolz, C., 0814
Romashov, P. I., 0853f
Rombouts, P., 1512f
Romelczyk, S. J., 1374
Roncier, M., 0494f
Ronnevik, H., 0412
Roos, H. M., 1387f
Rose, G., 0428
Rose, R. E., 0287
Rosenberg, J. I., 0835, 1205
Rosengreen, A., 1525
Rosenthal Technik AG, 1008p
Ross, B., 0181
Ross, R. T., 0430
Rostrup-Nielsen, J. R., 0642
Rothfuss, H. F., 0112
Rovner, J. M., 0245p
Rowett Research Institute, 1190
Roy, C., 0417r
Roy, D. W., 0491
Royal Australian Air Force Academy, 1042
Royal Bank of Canada, 0783
Royer, R. E., 0949
Rozendent, B. Y., 1096f
Rozhdestvenskii, V. P., 0137
Rozzi, A., 0546
Ruggles, A. E., 1138, 1545, 1549
Ruhrgas AG, 0126f, 0562f, 0918, 1048f, 1086f, 1247, 1359f, 1530
Ruhrkohle Öl und Gas GmbH, 0562f
Ruhr-Universität Bochum, 0541, 1391
Ruinen, W., 0986-87
Ruppel, I., 1137
Russ, W. R., 0637
Russell, J. E., 1313
Russell, M., 0152
Rustamov, K. E., 1233f
Ruziska, P. A., 1342
Ryan, F. J., 0770
Ryan, J. G., 0919
Ryan, R. R., 0616
Ryne, M. S., 0101
Ryser, J., 0319

Ryther, J. H., 0689, 0953

S

Saas, L. P., Jr., 0451
Sabah Shell Petroleum Co. Ltd., 0279
Safety Sciences, Inc., 1031
Safonov, V. S., 0213f
Saha, R. K., 1323
Sahay, B., 1306
Saimbi, M. S., 0377p, 1544
Saitama University, 0315
Saito, T., 1416p
Sajjad, A., 0832
Sakamoto, M., 1416p
Sakurai, K., 1380
Salama, S. Y., 1394
Salford University, 0549r
Saller, E., 0436
Salnikov, A. F., 0590p
Salvi, P., 1250f
Samaran, J.-P., 1354f
Sammells, A. F., 0649
Sampath, S. G., 0363
Sams, D. A., 1467
Samuels, A., 0074p
Samuels, D., 0074p
Samuels, G., 0310
Sancier, K. M., 0971r, 1068
Sandia National Laboratories, 0395, 1299, 1315-16, 1563
Sandstrom, M. W., 0297
Sandstrom, W., 0553
Santa Fe Corp., 0121
Santini, A., 0622
Sappsucker, Inc., 0571p
Saratov N.G. Chernyshevsky State University, U.S.S.R., 0137
Sarda, J.-P., 0283
Sargent & Lundy, Engineers, 0769
Saucier, A. E., 0682
Sauer, R. A., 0552
Saunders, T. G., 1251
Savidge, J., 0261
Savidge, J. L., 0257, 0514, 1558
Saxena, K. K., 0325
Sceptre Resources (Indonesia) Ltd., 0302
Schaap, D., 1516
Schaedel, S. V., 0375, 1390
Schaefer, A. O., 1331
Schaefer, B. A., 1042
Schäfer, W., 0562f
Schatz, J., 0162
Schaub, G., 0698f
Schendel, R. L., 1093
Schepakin, M. B., 0590p
Scher, S. R., 1104
Scherer, R. M., 0368p
Schindler, S. R., 1008p
Schipper, L., 1370
Schlinger, W. G., 0060
Schlumberger-Doll Research, 0304
Schlumberger Technology Corp., 1450p
Schmal, M., 0169
Schmid, O., 1559
Schmidt, A., 0563f
Schmidt, R. A., 0162
Schmidt, T. E., 1077
Schmidt, W. P., 1349p
Schmillen, K., 1530
Schmitt, W. P., 0775
Schmitz, K., 0482f
Schmoe, L. A., 0061
Schnader, M. H., 0154
Schoell, M., 0414, 0415
Schoenhals, R. J., 1150
Scholle, P. A., 0802
Scholten, F. L., 0229f
Scholten, P., 0278
Scholz, R., 1158f
Schoneich, H., 0029f
Schora, F. C., 0558
Schöttker, R., 1359f
Schramm, R. E., 0087
Schraufnagel, R. A., 0694
Schreiber, P. W., 0139
Schreiber, R., 1392
Schreiber, R. J., 0372p, 0762, 0890
Schremp, F. W., 0925r
Schrieffer, J. R., 0513
Schröder, L., 0029f
Schroeder, D. W., Jr., 0618
Schroeter, J. P., 0381
Schuetz, M. A., 0773p
Schultz, J. A., 0443
Schütze, B., 0336f
Schwebel, W., 0472f
Schweizerischer Verein des Gas- und Wasserfaches SVGW, 1119f, 1336f
Schwerer, F. C., 0021
Science Applications, Inc., 0929-30, 0980, 1007, 1446, 1517
Scientific Software-Intercomp Corp., 0603, 0924r
SCS Engineers, 0333
Sealock, L. J., Jr., 1465
Searight, E. F., 1252
Searle, M., 0631
Sears, D. R., 0184
Secrest, T. J., 1428
See, B. A., 0157
SEGas Central Laboratories, 1378
Seisler, J., 1553
Seismograph Service (England) Ltd., 0290, 0934
Seiyama, T., 0326
Selandari, S., 1217
Selas Corp. of America, 0501p, 1402p
Selvidge, J., 0261
Semrau, J., 0651
Sen, P., 1323
Sengupta, S., 1470
Seni, S. J., 0682
Seo, Y.G.T., 1224
Separex Corp., 0851
Sepehrnoori, K., 1171-72
Seredin, G. N., 1411f
Serra, K., 0277
Services des Eaux et du Gaz de Neuchatel, 1121f
Servomex Ltd., 0765f, 1276f
Seshadri, S. K., 0035, 1076r
Severdia, A. J., 0315
Severomoravské Plynarny, 1230f
Sexton, J. H., 0016
Seymour, E. V., 0192, 0986-87
SGS Redwood, 0271
Shadman, F., 1467
Shafizadeh, F., 0182, 0686, 1463
Shah, J., 0543
Shannon, R. H., 0175
Sharman, J.R.G., 1377
Sharples, R. J., 1159
Shawver, S. E., 1077
Shchur, N. M., 1097f
Sheerar, L. F., 0582
Sheffield City Polytechnic, 0475
Shell Canada Resources Ltd., 1054
Shell Development Co., 0725
Shell Internationale Petroleum Maatschappij B.V., 0075-76, 0681
Shell International Gas Ltd., 0352
Shell Oil Co., 0073p, 0983p-84p, 1361p
Shell Recherche, 1474f
Shell Research B.V., 0486
Shell Research Ltd., 0458, 0638
Shell U.K. Exploration & Production, 0075-76
Shell U.K. Oil, 0638
Shell Western E&P Inc., 1440
Shelton, S. V., 1383, 1536
Shen, W.-M., 0312-13
Shen Yang Institute of Chemical Engineering, China, 0946
Sheppard, W. J., 0555
Sheridan, D., 0913
Sherstobitov, I. V., 0590p
Sheshukov, N. L., 1449f
Shier, D. E., 1308
Shih, J.C.H., 1186
Shimizu, S., 1265p
Shipley, T. G., 0117
Shirvill, L. C., 0638
Showell, M. S., 0046
Shreeve, J. M., 0903
Shriver, D. F., 0823
Shu, W. R., 1475p
Shukla, K. C., 0232
Shurr, G. W., 1064
Sidhu, B. S., 1546
Siegel, M. M., 1205
Siegert, H., 0243f
Siegfried, R. W., II, 1451p
Sieverding, H., 0482f
Sigmon, E. B., 0001
Sii McEvoy, 1170
Silence, W. L., 0839
Silverman, N., 1560
Simand, R., 1202
Simes, J. F., 0660
Simmons, G. M., 0049, 0431
Simpson, D. E., 1122
Simpson, M. A., 0795
Simulation Sciences Inc., 1434
Sinclair, G. W., 0599
Sindir, M. M., 1007
Sindt, C. F., 0587, 1105
Singh, R., 1409p
Singhal, A., 0089
Singhal, A. C., 1005
Singleton, A. H., 1326
Singleton, F. D., Jr., 0659
Sinha, A. K., 0539
Sinks, D. J., 0973
Sirignano, W. A., 1284
Skinner, G. F., 0246p
Skjei, S. S., 0146
Skjold-Jorgensen, S., 1280
Skrinak, V. M., 1300
Slanina, F., 1230f
Slats, J. J., 1539f
Sloan, E. D., 0258, 0382, 0777, 1448
Sloan, K. M., 0405
Slouka, P., 0561f
Smeltzer, C. E., 1136
Smith, D., 1330
Smith, D. E., 1165
Smith, D. M., 0645, 0671, 0774
Smith, D. P., 1329
Smith, H. D., Jr., 1305p
Smith, J. R., 1563
Smith, L. D., 0521
Smith, M., 0023
Smith, P. J., 1312
Smith, R., 0118, 0362
Smith, R. B., 0356p
Smith, R. M., 0504
Smith, R. V., 0273-75
Smith, T., 1054
Smith, T. M., 0499p
Smith, W. H., 0556
Smoot, L. D., 1312
Snamprogetti S.p.A., 1217, 1343, 1492, 1497p
Sneider, R. M., 0026, 1065
Sneider and Meckel Associates, Inc., 0026
Snow, N. J., Jr., 0571p
Snygg, A., 0286
So, C. K., 0261
Société Commerciale des Potasses et de l'Azote, 1192
Société Industrielle Auer, 0759p
Société Nationale des Gaz du Sud-Ouest, 0207f
Société Nationale Elf Aquitaine, 0015, 0133, 0568, 1062f, 1294f, 1347f, 1354f
Society of British Gas Industries, 1460
Soderberg, W. E., 0970
Sodolak, L. S., 0896
Soedel, W., 1150, 1415
Soeder, D. J., 0801
Soepardi, M., 1053
Sofranko, J. A., 1266p-72p
Sofregaz, 0206f
Sokolov, N. S., 0515f
Sokolov, S. N., 0515f
Solar Energy Research Institute, 0065b, 0331, 0426, 0560
Solar Turbines Inc., 0348, 1136
Solbakken, A., 0245p
Soliman, R., 0979
Solomon, P. R., 1333
Solov'ev, B. A., 0030f
Solov'ev, E. A., 0031f
Somayajulu, G. R., 0259
Somorjai, G. A., 0177, 1196
Sondeno, D. J., 0098
Song, J. C., 1183
Song, K. Y., 0646
Sonntag, C., 1085, 1201
Sookram, V. A., 0539
Sorensen, P. E., 0282
Sorial, G. A., 0070
Sotirchos, S. V., 1184-85
Soulignac, F., 0425
Sourie, J.-C., 1474f
Southbend Escan Corp., 0368p
Southern California Gas Co., 0119, 0203
Southern Illinois University, 1563
Southern Illinois University at Carbondale, 0652, 0776
Southwest Gas Corp., 0098
Southwest Research Institute, 0468, 0735, 0748
South West Water, U.K., 0199
Southwire Co., 0128p
Spahr, R. F., 1402p
Sparks, C. P., 1173
Sparks, L. L., 1519
Sparks, R. L., 1304p
Speece, R. E., 0041r
Speich, P., 0043
Spencer, E. A., 0450
Spera, R., 0471
Sperry, L. D., 0589
Spielman, L. S., 0129p
Spillman, R., 0722
Spiro, C. L., 1069
Spittle, P., 0422, 1460
Sproul, D. D., 0106p
Squire, K. R., 1333
Squire, R. N., 0865r
Squires, D. F., 0827
SRI International, 0045, 0328, 0913, 0971r, 1068, 1079, 1525
Srivastava, V. J., 0551, 0819
Stadelmann, M., 0481f
Stahl, W., 0028, 0805
Stambler, I., 1072, 1208
Standard Oil Co. (Ohio), 1404p
Stanford University, 0022, 0157, 0166
Staniunas, J. W., 0504
Starik, W., 0524f
Starikov, V. A., 0855f
Starikova, G. V., 0855f
Starling, K. E., 0257, 0261, 0514, 1282, 1558
Startzman, R. A., 0797
Stasenko, D., 1138, 1545
State Oil & Gas Board of Alabama, 1307
State Organisation of Industrial Design and Construction, Iraq, 0475
State University of Gent, Belgium, 0545, 0942, 0951
State University of New York at Buffalo, 0339, 1317
State University of New York at Stoney Brook, 0154
Státni Komise pro Technicky a Investicni Rozvoj, 1335f
Statoil, 1457
Statton, C. T., 1174, 1175
Stehmann, L. J., 1516
Steimle, F., 1246
Stein, S. E., 0826
Steinfeld, G., 0980
Steinsberger, S. C., 1186
Steirische Ferngas-GmbH, 0610f
Stenstrom, M. K., 0167
Stepanek, A., 0842f
Stephens, D. R., 0692
Stephenson, J., 0772
Stephenson, M., 1436
Sterbik, W. G., 1010
Stern, S. A., 0650
Steub, G., 0473f
Stevens, J., 0241
Stevenson, R. J., 0184
Steward, F. R., 1393
Stich, R. S., 0521
Stickford, G. H., Jr., 0508

Stiegler, P., 1213f
Stiles, R. J., 1210
Stirling Power Systems Corp., 1537
St. John, A. D., 0113
St. John, M. R., 0649
Stock, L. M., 0428
Stokes, R., 0656
Stöldt, E., 0698f
Stone, R., 0036
Stone & Webster Engineering Corp., 0623, 1403
Stoner, M. A., 1363
Stoner Associates, Inc., 0618, 1363
Stordy Combustion Engineering b.v., 0764f
Storm, R. Q., 0272
Story, J. G., 1489
Stout, R. D., 0097
Stoves, D., 0607
Straka, F., 0843f
Streett, W. B., 1037, 1154
Stress Technology Inc., 0753r
Strickland, L. D., 0418r
Stroud, H.J.F., 0966
Strubler, C. E., 0168
Strumpf, H., 0125, 0492, 1135, 1543
Stuart, R. J., 1225
Studer, D. W., 0102
Studman, B., 0528
Stuermer, D. H., 0056
Suchomel, F. H., 1123
Sueyasu, M., 0042, 1483p
Sugier, A., 0700p
Suherman, D., 1053
Suidan, M. T., 0168
Sui Northern Gas Pipelines Ltd., 1507
Sukharev, M. G., 1216f
Sumi, S., 0058
Sumitomo Metal Industries, Ltd., 0042, 1483p
Summerfield, I. R., 1472
Summers, R., 1190
Sundermann, R., 1091, 1488
Sunpower, Inc., 0634, 1244
Superior Oil Co., 0396
Suply, D., 0215f
Suski, L., 0902
Sutherland, H. R., 1315
Sutton, M. L., 0259
Suuberg, E. M., 1067
Suzuki, I., 0314
Suzuki, T., 0947
Suzuki, Y., 1071
Swaffield, F., 0994
Swallow, B. R., 0445p, 0982p
Swanson, C. A., 1127
Swedegas AB, 1362f
Swiss Federal Research Station for Farm Management and Agricultural Engineering, 1073
Swithenbank, J., 0836
Switzenbaum, M. S., 1074
Switzer, G. L., 0139
Sydvästra Skanes Avfallsaktiebolag, 1206f
Sykora, G. S., 0221p
Synthetic Fuels Associates, Inc., 0421
Sypolt, G. L., 1101
Syracuse University, 0295, 0650
Systems Research Laboratories, Inc., 0139
Szikriszt, G., 0697

T

Taflove, A., 1339p
Taft, J. R., 0101
Tait, A. R., 0837
Taiyuan Institute of Technology, China, 1317
Takács, G., 0928
Takahashi, N., 1182
Takahashi, S., 0646
Takarada, T., 0057
Takeishi, Y., 1381
Talbert, S. G., 0508
Talbert, S. L., 0633
Tamai, Y., 0057
Tanaka, Y., 1322
Taner, I., 0293
Tang, H.-Q., 1421f
Tan Kiat Giap, 0279
Tan Kong Seng, 0279
Tanner, M. R., 0188p
Tanoue, T., 0042, 1483p
Tarman, P. B., 0702p
Tasker, E. G., 0876
Tassios, D., 1560
Tateya, J. L., 0257
Tatom, F. B., 0404
Tawshunsky, A., 0656
Taylor, A.M.K.P., 1564
Taylor, J.C.M., 0290
Taylor, L. M., 1315
Taylor, R. W., 0309
T.D. Williamson, Inc., 0204
Technical University Berlin (West), 1559
Technical University of Denmark, 1280
Technical University of Nova Scotia, 1191
Technip, 0730, 1347f
Technische Universität Clausthal, 0676f, 1158f
Technische Universität für Schwerindustrie, 1141f
Technische Universität Wien, 0448f, 0563f
Teggers, H., 0043, 1334f
Tek, M. R., 0603
Telschow, K. L., 0776
Templeman, J. J., 0347p
Tenneco Oil Co. Exploration and Production, 0013
Tennessee Valley Authority, 0723
Terada, H., 0231p
Terra Tek, Inc., 0162
Texaco Inc., 0060, 0067p, 0159, 1481p
Texas A&I University, 1090
Texas A&M University, 0259–62, 0384, 0559, 0797, 0912, 0957, 1040, 1220, 1309, 1313, 1357, 1488, 1534
Texas Commerce Bank, 0292
Texas Crude Exploration Inc., 1159
Texas Department of Water Resources, 1443
Texas Eastern Corp., 0810
Textron, Inc., 0357
Teyssandier, R. G., 0867
Thaler, W. L., 0264
THERMECON, Inc., 1547–48
Thermocatalytic Corp., 0500p
Thermo Electron Corp., 0232, 0507, 0893, 1016, 1138, 1252, 1538, 1545, 1549
Thomas, D., 0495f
Thomas, D. C., 1167
Thomas, M. V., 1469
Thomas, W. R. 0221p
Thomassen, A.A.J., 1030f
Thompson, B., 0607
Thompson, D. S., 0692, 1200
Thompson, J. C., 0869
Thompson, N. G., 0728
Thompson, R. G., 0659
Thora, W., 1264f
Thornton, M. L., 0848p
Thorsness, C. B, 0692, 1200
Thouault, A., 0898p
Thrasher, W. H., 0632
Thyssengas GmbH, 0185p, 0482f
Tibbets, L., 0261
Tidball, R. K., 1083
Tillequin, J., 0495f
Tillery, D., 1355
Tilte-Neumann, C., 0334
Timlin, G. M., 0107p
Timm, K., 0243f
Timmins, C., 0347p
Tingley, K. M. 0154
Tinker & Rasor, 0879
Tither, G., 0861
Titsworth, B. J., 1052
Tohoku University, 0057, 0315
Tokyo Gas Co., Ltd., 1367, 1380
Tokyo Shibaura Denki KK, 1416p
Tolle, G. C., 0016
Tolley, G. S., 0884–86
Tomita, A., 0057
Tompeck, M. A., 0223
Tompkins, A. N., 0048, 1462
Tompkins, F. E., 1521
Tomson, M. B., 0405
Tone, S., 0946
Tonkoshkurov, B. A., 0862f
Topham, D. R., 1445
Torok, J., 0838
Toscani, H., 0169
Total-Compagnie Française des Pétroles, 0859f
Total Exploration Production, 0525
Total Marine Norsk A/S, 0991, 1099
Total Oil Marine Norsk A/S, 0200
Towse, D., 1298
Toy, D. A., 1019
Toyohashi University of Technology, 1322
Toyonaga, H., 1381
Trane Thermal Co., 0093
Trefry, J. H., 0014
Trejo Rodriguez, A., 1423f
Trester, K. D., 0479
Trest Orgtekhtruboprovodstroi Glavsibtruboprovodstroya, 0872f
Triton Engineering Co., 1051
Triton Engineering Services Co., 1049, 1050, 1162–63
Trivandrum Regional Research Laboratory, India, 1076r
Trocine, R. P., 0014
Troianos, C. A., 0088
Troitskii, V. A., 1107
Trollux, J., 0206f
Trunkline Gas Co., 0093
Trunkline LNG Co., 0093
TRW Coalbed Methane Program, 0286
TRW Energy Engineering Div., 1003
TRW Inc., 0019–20
Tsahalis, D. T., 0725
Tsai, K. C., 0505
Tsai, M. C., 0339
Tsang, T. H., 0321–22
Tschechische Gaswerke, Czechoslovakia, 1213f
Tschechoslowakische Akademie der Wissenschaften, Czechoslovakia, 1213f
Tseng, H. P., 0685
Tsonopoulos, C., 0385
Tsukishima Kikai Co., Ltd., 0847p
Tucker, A. C., 0154
Tucker, B., 0120
Tucker, R. J., 1021, 1544
Tugunov, P. I., 0862f
Turbet, C., 0495f
Turek, E. A., 1167
Turn, J. C., Jr., 0088
Turnbull, A. G., 0815
Twardoch, U. M., 0956
Tweedie, J. A., 1293
Twente University of Technology, 0069
Tyler, N., 0682
TYRENS, 0697
Tysoe, W. T., 1196
Tyumenskii Industrial'nyi Institut im. Leninskogo Komsomola, 0108f, 1449f

U

Ube Industries Ltd., 0742
Uchytil, P., 1035–36, 1156
Udengaard, N. R., 1345
Ueda, M., 0058
Ueno, A., 1322
Ufimskii Neftyanoi Institut, 0862f
UGI Development Co., 0680
Uhl, W. K., 1170
Ullah, M. R., 0577
Ulmishek, G., 0299
UMAC, Inc., 0221p
Underwood, R. P., 0809
Unger, P. E., 1067
Union Carbide Corp., 0445p, 0567, 0704, 0982p, 1087p
Union Gas Ltd., 0617, 1103
Union Oil Co. of California, 0710p
United Gas Pipeline Co., 0084, 0699p
United Technologies Corp., 0247, 0248p, 0504
Universidad de Concepción, 0387
Universidade Federal do Rio de Janeiro, 0169
Universität Erlangen-Nürnberg, 0336f
Universität Essen, 1246
Universität-Gesamthochschule Wuppertal, 0640f
Universität Göttingen, 1424f
Universität Hannover, 0569f
Universität Karlsruhe, 1400
Université Catholique de Louvain, 1196
Université de Sherbrooke, 0417r, 1324
Université Libre de Bruxelles, 0334
University College London, 1225
University of Akron, 0574
University of Alberta, 0719
University of Arizona, 1467
University of Aston in Birmingham, 0234
University of Auckland, 0772
University of Birmingham, 0690
University of Bochum, 0386
University of Bradford, 0070
University of Bristol, 1157
University of British Columbia, 0505, 0544, 0696, 0812, 1188, 1420
University of Calgary, 0022, 1285, 1562
University of California, 0167, 0177, 0183, 0237, 0282, 0297, 0510, 0513, 0775, 0809, 1056, 1078, 1196, 1325, 1370
University of California, San Diego, 1374
University of Chicago, 0884–86
University of Cincinnati, 0543
University of Colorado, 0170, 1083, 1084r
University of Colorado at Boulder, 0052r–54r
University of Connecticut, 0809
University of Delaware, 0033
University of Durham, 0613
University of Florida, 0556, 0833, 1369, 1469
University of Hartford, 0938
University of Houston, 1184–85
University of Idaho, 0049, 0431, 0903
University of Illinois, 1262
University of Illinois at Chicago, 0769
University of Illinois at Urbana-Champaign, 0131, 0168
University of Kaiserslautern, 0775
University of Karlsruhe, 1081
University of Kentucky, 1279
University of Lagos, 0785
University of Leeds, 0742, 0779
University of Maryland, 1262, 1429
University of Massachusetts, 1074, 1320
University of Melbourne, 1042
University of Miami, 0941, 1470
University of Michigan, 0603
University of Minnesota, 0038r, 0970, 1180, 1187
University of Miskolc, 0928
University of Missouri-St. Louis, 0521
University of Montana, 0182, 0686, 1463
University of Nebraska, 1461
University of Nebraska at Omaha, 0824
University of New Brunswick, 1393
University of New Hampshire, 0688
University of New Mexico, 0645, 0671, 0774
University of North Dakota, 0184
University of Notre Dame, 0176, 1417
University of Oklahoma, 0257, 0261, 0514, 0523, 1282, 1430, 1558
University of Pennsylvania, 0227, 0742, 0907, 0883
University of Pittsburgh, 0512, 1039, 1433
University of Puerto Rico, 0310
University of Queensland, 0034
University of Rochester, 1281
University of Rome, 1217
University of Salford, 0235
University of Sheffield, 0836
University of South Florida, 0433
University of Southwestern Louisiana, 0013, 0272, 1441
University of Surrey, 0727
University of Sydney, 0179r
University of Technology of Compiegne, 0811

University of Tennessee, 1077
University of Texas at Austin, 0011-12, 0051, 0055r, 0321-22, 0413, 0682, 0685, 0958, 1171-72, 1226
University of Texas at El Paso, 0803, 0999r
University of the West Indies, Trinidad, 0577
University of Tokyo, 0064, 0329
University of Toronto, 1554
University of Tulsa, 0277, 0511, 0931
University of Virginia, 0267
University of Washington, 0424, 1012
University of Western Ontario, 1319
University of Wisconsin, 0460, 1239
University of Wisconsin-Madison, 0312-13
University of Wyoming, 0052r-55r, 1083, 1084r, 1327
UOP, Inc., 1199r
Uralil, F., 0362, 1526
Uralil, F. S., 0363, 0745
UralNITI, 1108
Urieli, I., 0634
U.S.A. Ballistic Research Laboratory, 0778
U.S. Bureau of Mines, 0407, 1045, 1444
U.S. Department of Agriculture, 0323, 0818, 0943, 1461
U.S. Department of Energy, 0533p-34p, 0670, 0691, 1477p
U.S. Energy Information Administration, 0656, 0788-90, 0938
U.S. Environmental Protection Agency, 0816
U.S. General Accounting Office, 0664-65
U.S. Geological Survey, 0296, 0538, 0679, 0802, 1064, 1443
U.S. House of Representatives Committee on Energy and Commerce, 0657
U.S. National Bureau of Standards, 0087, 0134-35, 0253-55, 0260, 0459, 0587, 0826, 0908, 0965, 1034, 1105, 1448, 1519, 1557
U.S. National Transportation Safety Board, 0871
U.S. Navy, 0011-12
U.S. Office of Technology Assessment, 0661, 0920, 1292
Usogas, 0481f
U.S. Patents, 0067p, 0073p-74p, 0106p-07p, 0128p-29p, 0185p-86p, 0188p-89p, 0221p, 0231p, 0245p-46p, 0248p, 0251p-52p, 0347p, 0356p, 0368p-70p, 0372p-73p, 0376p-78p, 0409p, 0438p-39p, 0444p-45p, 0464p, 0474p, 0485p, 0499p-501p, 0533p-34p, 0564p-66p, 0571p-73p, 0590p-91p, 0602p, 0635p 0699p-0703p, 0707p-10p, 0731p-32p, 0755p-57p, 0759p, 0766p, 0768p, 0773p, 0844p-48p, 0856p, 0866p, 0875p, 0887p-88p, 0894p, 0898p-99p, 0932p, 0977p-78p, 0982p-84p, 0997p-98p, 1008p, 1017p, 1026p, 1088p, 1094p, 1111p, 1115p, 1152p, 1209p, 1260p, 1265p-72p, 1303p-05p, 1337p-39p, 1349p, 1361p, 1388p-89p, 1402p, 1404p, 1409p, 1412p, 1416p, 1450p-53p, 1475p-86p, 1495p-98p, 1504p-05p, 1518p, 1542p, 1550p
U.S. Steel Corp., 0021, 0088, 0959
Ustav pro Vyzkum a Vyuziti Paliv, 0561f, 0736f, 0841f-43f
U.S. Water Conservation Laboratory, 1287r
Utsunomiya University, 0314

V

Vadas, Z., 0591p
Vaia, C. L., 0371
Valdivieso Teran, M., 1422f
Valero Energy Corp., 1288
Valet, J.-P., 0217f
van Akkeren, R.A.C., 1278f
van Assche, P., 0545, 0942
van Ballegooyen, J., 0279
van de Kraats, E. J., 1495p
van den Berg, L., 0948
van den Born, J. A., 0288f
Vanderborgh, N. E., 0533p
van der Laan, J., 1525
van der Lugt, W. A., 1022f
Van der Mast, V. C., 0018
van der Meer, R. R., 0308
Van der Pas-Toornstra, H. M., 0073p
van Dijk, C. P., 0245p
van Dijk, J. H., 0764f
van Dijkhuizen, N., 0271
van Dongen, F. G., 0486
Van Heuit, R. E., 0829
van Mastrigt, P., 0666f, 1129f
VanReet, J. D., 0588
van Rij, L. D., 1243
van Ringen, J., 1387f
Van Swaaij, W.P.M., 0069
van Westen, M.A.J.M., 0655f
Van Wie, B. J., 0261
Vasilakis, A. D., 0252p, 0644, 0892, 1152p, 1413
Vasil'ev, Y. N., 0250f
Vastola, F. J., 0820
Vavrik, W. E., 1529b
V.C. Illing & Partners, 0290
Veal, L. K., 0683
VEG-Gasinstituut N.V., 0229f, 0233f, 0238f, 0483f, 0516f, 0597f, 0626f, 0743, 0782f, 1030f, 1130f-32f, 1243, 1368f, 1379, 1539f-41f
VEGIN, 0239f, 0655f, 0666f, 1120f
Verma, S. K., 0963
VerNooy, B., 0204
Versteeg, G. F., 0069
Verstraete, W., 0545, 0942, 0951
Vesely, E. J., Jr., 0839
Vetere, A., 1492
Veziroglu, T. N., 0941
Vigneau, D. L., 0887p, 0899p
Vignona, L., 0405
Vigon, B. W., 0508
Villermaux, J., 0425
Vines, H. L., 0189p
Vinzant, J. W., 0822
Virginia Polytechnic Institute and State University, 0821
Vishwanath, P. S., 1124
Vislobitskii, P. A., 1109f, 1214f
Visser, J. C., 1130f, 1131f
Visser, R. J., 1256f
Vitale, S. A., 0111
Vizcaino Tapia, R., 1422f
VNIIEgazprom, 1215f
VNIIgaz, 0031f, 0213, 0250f, 1100f, 1228f
VNIIneftemash, 1227f
VNIIpromgaz, 0641f
VNIIST, 0854f, 1096f-97f, 1109f, 1214f, 1228f
VNIItransgaz, 1100f
VNPO Soyuzpromgaz, 0208f
Vodrazka, W., 0444p
Vogel, E. R., 0093
Vogel, P., 0676f
Vogt, G. H., 1360, 1515
Vogt, P. F., 0614
Vogt, R., 0125, 1392, 1543
Volgina, L. M., 0137
Volkamer, K, 0444p
Volkmann, W., 1364f
Volkov, V. S., 1108
Vorres, K. S., 0438p, 0846p
Vorwerk, M., 0703p
Voss, J. W., 1505p
Voss, S. C., 1505p
Voss Development Corp., 1505p
Vostry, Z., 1213f
Vreugdenhil, C. A., 0626f
Vrij, W. J., 1539f
Vyrmetoder AB, 0830
Vyskumny Ustav Zvaracsky, 0576f
Vysoka Skola Chemicko-Technologicka, 1230f
Vyzkumny Ustav Geologickeho Inzenyrstvi, 0109f

W

Wackertapp, H., 1530
Waddingham, D. G., 0783
Wadja, R. J., 1070
Wadman, B., 0502
Wagner, E., 0444p
Wagner, G., 1118f
Wagner, H. G., 1424f
Wagner, U., 0444p
Walaine, P., 0739f
Walker, P. L., Jr., 0423, 1468
Wallace, B. A., 0869
Wallace, J. S., 1554
Wallis, D., 1471
Walter, A. W., 0296
Wang, F. T., 0056
Wang, S. S., 0339
Wang, T. S., 1007
Wang, Y.-J., 1313
Warchol, J. J., 0910, 1066
Ward, I. M., 0742
Ward, M. E., 1136
Wardall, R. M., 0348
Warren, C. S., 0822
Warren Petroleum Co., 0704
Warriner, R. A., 1049-51, 1162-63
Wase, D.A.J., 0690
Washington Gas Light Co., 0146
Washington Irrigation and Development Co., 0693
Washington Natural Gas Co., 1521
Washington University, 0230
Waslo, D., 1330
Watanabe, Y., 0947
Waterlow, D. K., 1110
Waterman, J., 0567
Watts, J. F., 0727
Webb, R. J., 0377p, 0489, 0895
Webber, S. E., 0958
Webber, W. W., 1489
Weber, M., 0085
Weber, R., 0836
Weekes, M. C., 0018
Weeks, S. G., 1440
Wegener GmbH & Co. KG, 1401f
Wei, J., 0033
Weiel, J. E., 0324
Weier, B. E., 0470
Weil, S. A., 0825
Weiler, K.-H., 0705f
Weiner, J. H., 0228
Weinreich, H.-J., 0678f
Welfare, M., 1276f
Wellinger, A., 1073
Wellman-Thermal Systems Corp., 0419-20
Werner, K., 0569f
Wessing, W., 1247
West, C. C., 0405
West, P. A., 0434
West, R., 1193
Westbrook, C. K., 0263, 1043r
Westcott, P. A., 1003
Western Australia Ministry of Mines, 0190
Western Research Institute, 0973
Westfälische Ferngas AG, 1366f
Westinghouse Electric Corp., 0976
Westinghouse Research and Development Center, 0105, 1346b
Weston, D. A., 0101
West Virginia University, 0051, 0173-74, 0429, 0826
Wetmore, S., 1055
Wetmore, S. B., 0673
Whaley, R. S., Jr., 0580
White, D. A., 0806
White, J. M., 0958
White, L., 1031
White, M., 0631
White, S. H., 0956
Whitehead, A. J., 0544, 0812
Whitelaw, J. H., 1564
Whitford, S. D., 1104
Whittle, T. M., 0165
Wichterle, I., 1035-36, 1156
Wieber, P. R., 0972b, 1204
Wiedenhoff, W. W., 1360, 1515
Wierczeyko, E., 0604f
Wierzba, I., 1285, 1562
Wieser, R., 1371f
Wilby, F. V., 0749
Wild, K. R., 0307
Wilde, B. E., 0088
Wilhoit, R. C., 0259
Wilkey, M. L., 0831
Wilkins, J. T., 0071
Wilkinson, W. H., 1017p
Wilko Paint, Inc., 0209, 0454
Willatt, B. M., 0388
Willey, R. J., 1320
Williams, A., 0307, 0439p
Williams, B., 0940, 1027
Williams, F. L., 0645, 0671, 0774
Williams, R. T., 1180
Williams, T. P., 0422, 1460
Williams Brothers Engineering Co., 1205
Williamson, F. R., 0260
Williams Pipe Line Co., 1355
Willis, G. L., 0451
Wilms, H., 0278
Wilson, F., 1551
Wilson, R. H., 1092
Wingenroth, J. L., 0663, 1291
Winslow, A. M., 0036
Wintershall AG, 0678f
Wiqvist, W., 1206f
Wisconsin Natural Gas Co., 0611, 0751
Wise, H., 0045, 0328, 0913
Witherspoon, P. A., 0467
Withum, J. A., 1066
Wittrisch, C., 0283
Woelk, G., 1023f
Wojcieson, R. J., 0766p, 1026p
Wolcott, H. B., Jr., 1337p
Wolf, E. E., 0176
Wolf, H., 1359f
Woll, W., 0532f
Wolters, M., 0229f, 0743, 1368f
Womack, D. P., 0999r
Wong, K. V., 1470
Wood, B. J., 0971r
Wood, M. D., 0406, 0800
Woodcock, K., 0180
Woods, J. W., 0344
Woods, R. R., Jr., 0900
Woods, T. J., 0150
Woodside, P. R., 0537
Woodside Offshore Petroleum Pty. Ltd., 0192, 0986-87
Woodward-Clyde Consultants, 1174-75
Worcester Polytechnic Institute, 1070
World Bank, 0007
Worldwide Exploration Consultants, 0161
Wormald, C. J., 1157
Worringen, D., 1359f
Wright, D. A., 1433
Wrighton, F. M., 0683
Wunderlich, D. K., 1484p
Wurm, J., 0480r

Y

Yakovlev, E. I., 1106f
Yamaguchi, K., 0847p
Yamaguchi, T., 1322
Yamasaki, K., 1322
Yang, E., 1490
Yang, R. T., 0339, 1317
Yao, J., 0440
Yassale, M., 1418
Yates, M. B., 0343
Yeh, H.-C., 0389
Yin, F., 0316
Yin, Q., 0427
Yoon, H., 0251p
York-Shipley, Inc., 0767
Yoshida, T., 0315
Yoshitake, M., 0058
Yost, K. C., Jr., 0344
Young, B. A., 0555
Young, C. G., 1412p
Youngberg, A. D., 0973
Youngren, C. D., 0446
Yu, C.-C., 1491
Yu, E.S.H., 1430
Yu, W.-C., 0033
Yudow, B. D., 0123

Yufin, V. A., 1510f
Yuh, S. J., 0176
Yuill, R. D., 0107p
Yurashchik, I. L., 0208f
Yurkewycz, R., 0964
Yutani, N., 1183

Z

Zabransky, R. F., 0428
Zagorinskii, E. E., 1215f
Zaitsev, K. I., 0854f
Zakak, A. I., 1252
Zaror, C. A., 0695
Zavorka, J., 1213f
Zawacki, T. S., 0373p, 0891, 1384
Zegers, P., 0628b
ZEI Inc., 0451
Zellner, R., 1424f
Zhou, P., 0582, 0716-17
Zhu, H., 0230
Zielinski, R. E., 0674
Ziemiak, J. J., 0172
Zimmerman, R. E., 0831
Zinder, S. H., 0944-45, 1181
Zingaro, R. A., 0957
Ziolkowski, C. J., 0621
Zison, S. W., 1088p
Zoeller, J. H., Jr., 0957
Zoeller, W. A., 0796
Zollweg, J. A., 1154
Zou, R., 0427
Zwetsloot, M.G.F., 0239, 0666f, 1120f

1984 SUBJECT INDEX

Abiogenesis, 0166
Aboveground pipeline, 0454
Absorption, 0071-72, 0104, 0188p, 0443, 0444p, 0572p-73p, 1349p, 1492, 1495p
Accident, 0011-12, 0094, 0101, 0211, 0236, 0351, 0397-99, 0409p, 0456f, 0458-59, 0463, 0678f, 0740, 0871, 0874, 0904, 0993-94, 1041, 1110, 1121f, 1151f, 1163, 1167-68, 1303p, 1367, 1445
Accuracy, 0138f, 0585, 0867, 0881f, 1120f, 1220, 1229f, 1436
Acidizing, 1441
Adsorption, 0070, 0074p, 0707p, 0824, 0907, 1092, 1348f, 1375
Africa, 0007, 0160, 0300, 0342, 0350, 0522, 0785, 0939f, 1294f, 1328
Agricultural waste, 0035, 0065b, 0178, 0310, 0323-25, 0335f, 0540r, 0544-45, 0687, 0701p, 0812-14, 0818, 0842f, 0942-43, 0962b, 1073, 1075, 1076r, 1186, 1188, 1190-95, 1325, 1328, 1461, 1469, 1474f
Air conditioner, 0120, 0373p, 0480r, 0630, 0892, 1375, 1538
Aircraft, 0574
Air pollution, 0055r, 0124, 0231p, 0233f, 0265, 0389, 0518-19, 0569f, 0855f, 0890, 0897, 0949, 0981, 1010, 1013, 1019, 1032f, 1131f, 1287r, 1340, 1344b, 1384, 1424f, 1470
Air Products and Chemicals process, 0106p, 0189p, 0998p, 1349p
Alcohol, 0043, 0132, 0153, 0187, 0245p, 0251p, 0379, 0441, 0572p, 0646, 0664, 0709p, 0711, 0962b, 1027, 1072
Algeria, 0350
Amine process, 0069, 0340, 0567-68, 0704, 0848p, 1091, 1342-43, 1420, 1423f, 1488, 1495p-96p
Ammonia, 0153, 0246p
Amoco process, 1092
Anaerobic digestion, 0035, 0037, 0041r, 0065b, 0167-68, 0171, 0179r, 0181, 0308, 0323-25, 0335f, 0540r, 0544-45, 0548, 0550r, 0551, 0554, 0556-57, 0563f, 0684r, 0687, 0690, 0697, 0699p, 0701p, 0812-14, 0817, 0819, 0821, 0830, 0832, 0842f, 0845p, 0848p, 0942-45, 0948, 0951, 0953, 0962b, 0969, 0978p, 1071, 1073-75, 1076r, 1180-81, 1186, 1188-95, 1325, 1332, 1461-62, 1469-70, 1474f
Analytical method, 0134, 0137, 0139, 0184, 0211, 0380, 0432, 0513, 0530, 0546, 0649, 0774-76, 0820, 0828, 0957, 0959, 0961, 0975b, 1003, 1038, 1078, 1157, 1279, 1305p, 1423f
Anchoring, 0873f
Anode, 0724, 0902, 1517
Anthracite, 0318
Appliance, 0119-21, 0122f, 0140, 0224, 0232, 0233f, 0234, 0236-37, 0238f, 0240f, 0242, 0244, 0252p, 0369p-70p, 0372p-73p, 0390b, 0471, 0472f-73f, 0474p, 0475-79, 0480r, 0481f, 0484f, 0495f, 0507-08, 0516f-17f, 0626f, 0627r, 0628b, 0629-34, 0635p, 0644, 0653, 0754, 0755p-57p, 0758, 0759p, 0761, 0767, 0773p, 0842f, 0884-86, 0888p, 0890-93, 0894p, 0905-06, 1007, 1009-11, 1013-16, 1017p, 1019, 1022f, 1033, 1122-24, 1125r, 1127-28, 1130f-33f, 1134, 1138, 1150, 1151f, 1152p, 1234r, 1235, 1240f, 1241-45, 1247-48, 1250f, 1251-52, 1254f, 1255, 1256f-59f, 1260p, 1276f, 1371f, 1372, 1379-85, 1388p-89p, 1390, 1392-93, 1401f, 1413-15, 1416p, 1531, 1533, 1535-38, 1539f-41f, 1542p, 1545, 1549
Aquifer, 0036, 0216f-17f, 0272, 0281, 0353, 0466-67, 0672, 0677f, 0799, 1362f, 1442-43
Arctic region, 0090f, 0206f, 0212, 0268, 0305r, 0401-03, 0446-47, 0460-62, 0599, 0673, 0711, 0719, 0861, 1055-56, 1108, 1164, 1445, 1502
Aromatic, 0826
Artificial island, 0401, 1055
Ash agglomerating process, 0553, 0558
Ash removal, 1478p
Asia, 0003, 0007, 0099, 0230, 0302, 0306b, 0535, 0548, 0612, 0797, 0989, 1125r, 1273-74, 1306
Atlantic Ocean, 0538, 0714
Australia, 016T, 0190, 0271, 0986-87, 1208
Austria, 0524f, 0563f, 1408f
Bahrain, 0797
BASF process, 0444p, 0850
Basin, 0024, 0027, 0268, 0290-91, 0293, 0306b, 0413, 0415, 0535, 0682, 0803-04, 1063, 1176, 1306, 1454
Beaufort Sea, 0297, 0403
Belgium, 1295f
Bench scale plant, 0698f
Bering Sea, 0297
BGC process, 0307, 0338f, 0837, 0966, 1311, 1485p
Biogenesis, 0415, 1309
Biological effect, 0037, 0233f, 0569f, 0593, 0738, 0831, 0874, 0942, 0949, 0976, 0981, 1287r, 1541f
Biomass, 0048-49, 0065b, 0178, 0179r, 0182, 0309-10, 0329, 0331, 0390b, 0421, 0424-26, 0430-31, 0433, 0540r, 0542, 0544-45, 0550r, 0551, 0555-57, 0560, 0563f, 0564p, 0684r, 0686, 0689, 0695, 0699p, 0811, 0819, 0821-22, 0827, 0833-34, 0953-54, 0962b, 1319, 1322, 1325, 1328, 1332, 1403, 1461-65, 1473, 1482p
BIOTHERMGAS process, 0819
Bituminous coal, 0317-18, 0959, 1198r, 1204
Blowout, 0011-12, 0397-99, 0409p, 1163, 1167-68, 1303p, 1445
Boiler, 0238f, 0242, 0475-76, 0481f, 0484f, 0631, 0759p, 0761, 1014, 1019, 1022f, 1130f, 1132f, 1134, 1138, 1235, 1248, 1261, 1276f, 1371f, 1379-80, 1382, 1390, 1392, 1401f, 1539f, 1541f, 1542p
Boiloff, 0105, 0214f, 0464p
Buckling, 0585, 0726, 1169, 1173, 1226, 1350, 1361p, 1439, 1513
Burma, 0535
Burner, 0125, 0128p-29p, 0231p, 0232, 0242, 0243f, 0368p, 0370p, 0375, 0377p, 0474p, 0483f-84f, 0485p, 0488-89, 0496f, 0499p-501p, 0632, 0635p, 0638, 0639f, 0641f, 0754, 0755p-57p, 0761-63, 0764f, 0766p, 0773p, 0887p-88p, 0890, 0894p, 0895, 0898p-99p, 0905, 0911r, 1007, 1008p, 1009-11, 1013-15, 1025f, 1026p, 1033, 1122, 1124, 1133f, 1135, 1139f-40f, 1142f-43f, 1150, 1234r, 1236, 1251-52, 1255, 1263f, 1265p, 1369, 1381, 1390-92, 1398f, 1414, 1416p, 1533, 1539f, 1543, 1548, 1550p
Business operation, 0085, 0142, 0224, 0393, 0470, 0506, 0520, 0660, 0722, 0880, 0884-86, 0895, 0900, 1006, 1146, 1529b, 1553
Butane, 0172, 0253, 0777, 0908
Bypass, 0114
Byproduct, 0825
Caloric value, 1559
Calorific value, 0256, 0722, 1141f, 1159, 1229f, 1448, 1449f, 1512f
Canada, 0006b, 0026, 0099, 0158, 0305r, 0400, 0403, 0447, 0460-61, 0599, 0663, 0783, 0880, 1065, 1091, 1373, 1488
Capacity, 0353, 1103
Carbon dioxide, 0069, 0073p, 0240f, 0256, 0265, 0384, 0440-41, 0444p, 0482f, 0518-19, 0546, 0646, 0654, 0777, 0849, 0851, 0982p, 1037, 1068-69, 1079, 1154, 1207, 1287r, 1343, 1401f, 1402p, 1420, 1423f, 1467
Carbon monoxide, 0183, 0311, 0314-16, 0326-28, 0700p, 0823, 1087p, 1155, 1182, 1561
Cargo tank, 0107p, 0212, 0214f
Cascade cycle, 0106p
Casing, 0531f-32f, 0595, 0605f, 0995, 1162, 1169, 1305p, 1439, 1441, 1446
Cast iron pipe, 0220, 0226, 0356p, 0609, 0878, 1005, 1231, 1521-23
Catalyst, 0044-45, 0057-58, 0067p, 0137, 0170, 0176-77, 0183, 0311-16, 0326-28, 0388, 0417r, 0423, 0439p, 0513, 0566p, 0636b, 0642, 0686, 0700p, 0768p, 0780, 0809, 0823-24, 0844p, 0907, 0913, 0946-47, 0956, 0967-68, 0971r, 0975b, 1068-70, 1080-81, 1087p, 1089, 1182, 1187, 1197, 1230f, 1266p-72p, 1320-22, 1345, 1404p, 1463-64, 1465, 1467-68, 1552
Cathodic protection, 0207f, 0449f, 0455, 0469, 0595, 0724, 0727-28, 0733, 0879, 0925r, 1223, 1446, 1517
CBI process, 0707p
Cementing, 1054
Central America, 0293, 0301, 0714
Central heating, 0238f, 1130f, 1132f, 1253f, 1257f, 1376, 1541f
Ceramic product, 0374, 0491-92, 0499p-500p, 0636b, 0638, 0896, 1008p, 1135
CGS process, 0042
Char, 0040, 0176, 0423, 0426, 0432, 0685, 0946, 0971r, 1184-85, 1187, 1323, 1466-67
Chart, 0084, 0452
China, 0230, 0548
Chromatography, 0380, 0961, 1003, 1038
Claus process, 0341, 1487p
Clothes dryer, 0884-86
CNG, 0249, 0250f, 0506, 0772, 0904, 1031, 1277, 1278f, 1410, 1411f, 1553-54
CNG process, 0072
Coal, 0004, 0034, 0036, 0038r, 0039, 0042-45, 0047, 0051, 0052r-55r, 0056-57, 0059-64, 0066f, 0149, 0168-69, 0173-74, 0176, 0180, 0186p, 0245p, 0265, 0286-87, 0307, 0317-22, 0330, 0332-34, 0337f-38f, 0390b, 0418r, 0419-20, 0422-23, 0425, 0427-29, 0432, 0434-36, 0437f, 0438p, 0518-19, 0543, 0547r, 0549r, 0552-53, 0558, 0562f, 0565p, 0645, 0652, 0658, 0671, 0685-86, 0691-94, 0698f, 0776, 0810, 0820, 0825-26, 0828, 0835-40, 0841f, 0843f, 0846p, 0852b, 0940, 0946-47, 0949-50, 0952, 0955-57, 0959-61, 0963-65, 0970, 0971r, 0972b, 0973-74, 0975b, 0976, 0977p, 1019, 1066-70, 1072, 1077-78, 1083, 1084r, 1085, 1086f, 1179, 1198r-99r, 1200-05, 1310-16, 1323, 1326-27, 1329-31, 1333, 1334f-36f, 1337p-38p, 1344b, 1369, 1431, 1466-68, 1472, 1476p-78p, 1480p-81p, 1483p-86p
Coalbed gas, 0019-21, 0286-87, 0407-08, 0523, 0529, 0539, 0645, 0774, 0919, 1045, 1298
Coal transfer, 0552
Coating, 0075-76, 0193, 0195, 0209, 0219, 0449f, 0454, 0531f, 0727, 0729f, 0733, 0869, 0925r, 1170, 1354f
Cogeneration, 0130-31, 0502-04, 0559, 0643, 0769-70, 0900-01, 1030f, 1071, 1144-47, 1274, 1405-06, 1408f, 1551
Coke, 0060
Cold recovery, 0602p, 0731p, 0875p, 1111p
Combined cycle, 0061, 0643, 0901, 0940, 0950, 0955, 1029, 1072, 1149, 1274, 1405-07
Combustion, 0096, 0139, 0263, 0388-89, 0390b, 0505, 0641f, 0772, 0778-81, 0910, 0911r, 0912-13, 1007, 1041-42, 1043r, 1044, 1122, 1142f, 1158f, 1251, 1261, 1285-86, 1369, 1399-400, 1561-64
Combustion Engineering process, 0186p
Comfort level, 1253f, 1376
Commercial heating, 0122f, 0482f-83f, 0627r, 0630, 1373
Commercial plant, 0061, 0418r, 0435
Communication system, 0619, 0655f, 0722, 1002, 1051, 1062f, 1101, 1355-56, 1359f, 1438, 1456
Comparison, 0063-64, 0072, 0104, 0120-21, 0132, 0265, 0292, 0317-18, 0330, 0332, 0367f, 0471, 0493f-94f, 0518-19, 0548, 0574, 0581, 0664, 0739f, 0742, 0816, 0835, 0880, 0889, 0901, 0941, 1073, 1127, 1195, 1205, 1229f, 1256f, 1354f, 1394, 1401f, 1468, 1551, 1554
Composition, 0007, 0102, 0139, 0255, 0264, 0288f, 0380, 0389, 0414-15, 0417r, 0546, 0648, 0652, 0782f, 0816, 0820, 0831, 0852b, 0961, 0976, 1042, 1203, 1313, 1333, 1491, 1530, 1558
Compressor, 0086f, 0206f, 0348, 0451, 0465, 0525, 0584, 0589, 0590p-91p, 0721, 0849, 0868f, 0871, 0932p, 1104, 1106f, 1138, 1211, 1215f, 1352f, 1358, 1508, 1511f
Computer, 0009, 0017, 0021-22, 0079-80, 0083-85, 0101-02, 0115-16, 0121, 0157, 0187, 0199, 0205, 0237, 0271, 0314, 0383, 0396, 0399, 0422, 0430, 0435, 0451-53, 0484f, 0497f-98f, 0509, 0529, 0570f, 0592, 0597f, 0613, 0622, 0637, 0651, 0655f, 0705f, 0715, 0784, 0791-92, 0795, 0948, 0979, 0992, 1023f, 1045, 1060f, 1095f, 1101-02, 1106f, 1117, 1145, 1150, 1210-11, 1213f, 1221, 1264f, 1308, 1318, 1359f, 1365, 1367, 1377, 1415, 1436, 1458, 1460, 1490, 1508, 1511f
Concrete, 0195, 1519
Condensate, 0081, 0238f, 0252p, 0272, 0347p, 0481f, 0633, 0853f, 1134, 1379, 1382, 1531, 1539f, 1555
Conoco process, 0977p
Conservation, 0119, 0126f-27f, 0148, 0239f, 0243f, 0371, 0475, 0488-89, 0507, 0591p, 0625b, 0628b, 0630, 0636b, 0666f, 0721, 0723, 0769, 0895-96, 1018-19, 1022f, 1104, 1237-39, 1253f, 1257f, 1261, 1370, 1374, 1386f-87f, 1394, 1532, 1534, 1543
Construction, 0075-76, 0078, 0110, 0190-91, 0194, 0197, 0343-44, 0349, 0354, 0355f, 0446-47, 0575, 0604f, 0612, 0713-14, 0733, 0857-58, 0859f, 0876-77, 0985-89, 1499-503, 1504p-05p, 1514
Consumption, 0144, 0148, 0230, 0239f, 0269f, 0466, 0522, 0524f, 0637, 0666f, 0785, 0788, 0914-16, 0918, 1012, 1048f, 1290, 1294f-95f, 1370, 1430-31
Controlled atmosphere, 0137, 0487, 0496f, 0498f, 1025f, 1395f, 1397f
Conversion, 0109f, 0140, 0241, 0249, 0637, 0772, 0894p, 1119f, 1278f, 1336f, 1410, 1412p, 1537
Cooking, 0233f, 0472f-73f, 1011
Cooking oven, 0472f, 0474p, 0755p-57p, 0888p, 1009, 1125r, 1372
Corrosion, 0038r, 0193, 0201, 0209, 0238f, 0247, 0346, 0481f, 0508, 0528, 0622, 0735, 0736f, 0838-40, 0870, 0925r, 0963-65, 1305p, 1331, 1379, 1382, 1441, 1506, 1531, 1539f
Corrosion inhibitor, 0405, 0704, 0736f, 0927, 1441, 1496p
Corrosion protection, 0013, 0038r, 0207f, 0449f, 0454-55, 0469, 0526, 0595, 0704, 0724, 0727-28, 0729f, 0733, 0736f, 0879, 0925r, 0927, 0995, 1100f, 1170, 1223, 1446, 1496p, 1517
Cost, 0007, 0114, 0120-21, 0131, 0241, 0285, 0292, 0330, 0337f, 0342, 0394, 0407, 0447, 0503, 0525, 0598, 0644, 0792, 0822, 0835, 0877, 0889, 0938, 0941, 0955, 1086f, 1093, 1127, 1149, 1205, 1207, 1248, 1296, 1341, 1355,

1394, 1462, 1492, 1551
COthane process, 1087p
Cracking, 0088, 0097, 0227, 0360, 0362-64, 0576f, 0596, 0741-46, 0838, 0882-83, 1222, 1228f, 1360, 1368f, 1452p, 1514-15, 1526
CRG process, 0422, 0439p, 0837
Critical property, 0259, 0383, 0387, 0515f
Crossing, 0345, 0469, 0595, 0876-77, 0985, 0988, 0995, 0999r, 1456, 1500-03, 1505p
Crude oil, 0149, 0336f, 1431
Cryofrac process, 1492
Custody transfer, 0205, 0271, 0452-53, 0586, 0881f, 1101, 1221
Customer service, 0224, 0470, 0722
Czechoslovakia, 0109f, 0437f, 0712f, 1335f
Data processing, 0130, 0583, 0592, 0613, 0864, 0974, 1458
Deepwater, 0343-44, 0397, 0859f, 0991, 1049-51, 1054, 1162-63, 1350, 1353, 1437, 1445, 1500, 1513-14
Deep well, 0013, 0284, 0526, 0921, 1174-75
Degree day, 0223, 0614, 1120f, 1373
Dehydration, 0187, 0441, 0572p, 0646, 0709p
Deliverability, 0022, 1103, 1288, 1432
Demand, 0005, 0143, 0150, 0152-53, 0637, 0659, 0916, 0918, 1046, 1048f, 1262, 1289
Demonstration plant, 0043, 0061, 0319, 0418r, 0421, 0950, 1472
Denmark, 0191, 0575
Density, 0133-34, 0253-55, 0387, 0515f, 0863f, 1229f
Density meter, 0205
Depleted field, 0109f, 0465-66, 0677f, 1112
Deposition, 0164, 0296, 0680, 1064
Derichment, 1119f
Design, 0017, 0038r, 0079, 0089, 0098, 0156, 0199, 0209-10, 0219, 0275, 0345, 0440, 0465, 0491-92, 0578-79, 0607, 0613, 0631, 0640f, 0719-20, 0860, 0873f, 0986, 0999r, 1096f, 1123-24, 1162, 1210, 1212, 1214f-15f, 1350, 1351f, 1363, 1434, 1513, 1516
Desorption, 1348f
Detection, 0107p, 0365, 0366f-67f, 0398, 0610f, 0629, 0654, 0735, 0739f, 0866p, 0879, 1219f, 1452p, 1525, 1527
Detonation, 0263
Deviation control, 0270
Devonian shale, 0276, 0408, 0523, 0668, 0670, 0674, 0929, 0930-31, 1298-301
Diagenesis, 1176
Diaphragm meter, 0737
Diesel engine, 0464p
Differential pressure meter, 0138f, 1220
Diffusion, 0339, 0645, 0671, 1184-85
Diffusivity, 1281
Dike, 0105, 0463
Dipmeter logging, 0294
Directional drilling, 0016, 0398, 0922, 1298, 1436, 1503, 1505p
Discovery, 0024, 0159, 0161, 0299-03, 0935, 1047, 1454
Dispatching, 0083, 0085, 0115, 0222, 0451, 0453, 0588, 1002, 1101-02, 1221, 1351f, 1355-56, 1359f, 1365, 1508, 1509f-10f
Distribution system, 0084, 0110-13, 0115-17, 0142, 0145, 0209, 0220, 0221p, 0226, 0354, 0355f, 0356p, 0366f, 0469-70, 0606, 0609, 0612-13, 0615, 0620-24, 0724, 0733, 0876-77, 0880, 1115p, 1117, 1121f, 1231, 1363, 1521-23, 1524f, 1525, 1527-28
District heating, 1259f
Ditching, 0075-76, 0110-11, 0192, 0468, 0623, 0876, 0987, 1000
Domestic burner, 0894p, 0905, 0911r, 1007, 1010, 1133f, 1251, 1255
Double wall tank, 0103
Downstream cooling, 0206f, 1100f
Dow process, 1496p
Drilling, 0008, 0011-12, 0014, 0016, 0029f, 0158, 0160-61, 0218f, 0270, 0280-81, 0287, 0292, 0298-300, 0302, 0305r, 0396, 0398-99, 0409p, 0527, 0667, 0793-96, 0921-22, 1051-53, 1056-57, 1163, 1165, 1296, 1298, 1301, 1302f, 1304p, 1436-37, 1447, 1503, 1505p
Drilling mud, 0014, 0287, 0399, 0409p, 0527, 0921, 1167, 1304p, 1435, 1452p
Drill pipe, 0008, 0270, 1173, 1452p
Drillship, 0401, 1049, 1051, 1164, 1168
Drying, 0127f, 0495f, 0899p, 1024f
Dual fuel burner, 0128p, 0766p, 1026p, 1143f, 1369
Dual fuel engine, 0249, 1032f
Earthquake, 0089, 0098, 1005
Economic factor, 0001-05, 0006b, 0007, 0019-20, 0022-23, 0029f, 0047-48, 0058, 0063, 0066f, 0068, 0099, 0114, 0119-21, 0122f, 0126f-27f, 0131, 0141-54, 0155f, 0159-61, 0178, 0181, 0207f, 0230, 0239f, 0241, 0249, 0266-68, 0269f, 0282, 0285, 0292, 0298-302, 0310, 0330, 0333-34, 0337f, 0342, 0350, 0352-54, 0371, 0379, 0392-94, 0407, 0412, 0434, 0436, 0447, 0457, 0466, 0470, 0475, 0488-89, 0503, 0507, 0520-23, 0524f, 0525, 0537, 0540r, 0548, 0551, 0555, 0563f, 0591p, 0598, 0606, 0612, 0625b, 0627r, 0628b, 0630, 0656-65, 0666f, 0683, 0690, 0692, 0704, 0712f, 0721-23, 0730, 0740, 0770, 0783, 0785-90, 0792, 0808, 0822, 0835, 0842f, 0851, 0877, 0889, 0895-96, 0914-20, 0923, 0926, 0937-38, 0939f, 0941, 0955, 0962b, 0970, 1012, 1018-19, 1022f, 1031, 1046-47, 1048f, 1052, 1071, 1075, 1086f, 1093, 1103-04, 1110, 1116, 1121f, 1127, 1129f, 1147, 1149, 1159-60, 1165, 1177-78, 1194, 1199r, 1204-05, 1206f, 1207, 1210, 1237-39, 1243, 1248, 1253f, 1256f-57f, 1261-62, 1278f, 1288-93, 1294f-95f, 1296, 1298, 1300, 1310, 1341, 1355, 1363, 1370, 1371f, 1374, 1386f-87f, 1394, 1403, 1405, 1426-32, 1462, 1471, 1474f, 1492, 1516, 1532, 1534, 1543, 1551
Efficiency, 0064, 0068, 0122f, 0230, 0237, 0238f, 0240f, 0374, 0421, 0427, 0437f, 0471, 0476-78, 0494f, 0508, 0600, 0626f, 0631-32, 0644, 0730, 0754, 0758, 0772, 0891-93, 0905, 0996, 0997p, 1011, 1013-16, 1017p, 1019, 1033, 1250f, 1254f, 1258f, 1261, 1385, 1402p, 1405
Egypt, 1294f, 1328
Electrochemical process, 0649
Electrolyte, 0248p, 0649, 0771, 0903
Electromagnetic method, 0077, 0411, 0694
Employee relations, 0085
Energy policy, 0004, 0007, 0148, 0150, 0154, 0289f, 0391, 0548, 0665, 0783, 0785-86, 0914, 1311, 1328, 1425, 1427-29
Energy recovery, 0042, 0086f, 0104, 0125, 0185p, 0208f, 0234, 0376p, 0482f, 0489, 0491-92, 0591p, 0602p, 0703p, 0723, 0731p, 0760, 0868f, 0875p, 0895, 1018, 1022f, 1104, 1111p, 1134, 1136, 1138, 1393-94, 1486p, 1543, 1545, 1547
Energy source, 0018, 0046, 0050, 0123, 0148-49, 0178, 0207f, 0272, 0309, 0394, 0404-05, 0430, 0507, 0523, 0530, 0672, 0683, 0799, 0958, 1079, 1174-75, 1237-38, 1259f, 1440, 1442, 1444, 1476p
Engine, 0249, 0251p, 0464p, 0471, 0479, 0505, 0584, 0589, 0625b, 0772, 0868f, 1030f, 1032f, 1126f, 1131f, 1244-45, 1383, 1385, 1412p, 1530, 1536, 1537
Enrichment, 0189p, 0856p, 0982p, 1399
Entrained bed process, 0062, 0543, 0549r, 0836, 1312
Environment, 0055r, 0178, 0218f, 0391, 0403-04, 0593, 0941, 0972b, 1199r, 1303p, 1327, 1429
Environmental control, 1538
Equilibrium, 0030f, 0070, 0134, 0136, 0259-62, 0187, 0381-82, 0384-86, 0440-41, 0509-12, 0646-47, 0777, 0815, 0825, 1035-36, 1038, 1040, 1153, 1155-56, 1282, 1417-19, 1421f-22f, 1555, 1560
Erosion, 0038r, 0469, 0528, 0839
Ethane, 0263, 0777, 1034, 1154
Europe, 0002, 0029f, 0031f, 0032, 0043, 0066f, 0075-76, 0083, 0086f, 0090f, 0109f, 0122f, 0148, 0155f, 0191, 0194, 0205, 0206f, 0213f, 0218f, 0223-24, 0239f, 0250f, 0268, 0269f, 0284-85, 0288f-89f, 0299, 0303, 0340, 0342, 0353-54, 0412, 0415, 0422, 0437f, 0466, 0473f, 0516f, 0522, 0524f, 0558, 0563f, 0569f, 0575, 0606, 0655f, 0665, 0666f, 0712f, 0782f, 0808, 0858, 0880, 0916, 0918, 0962b, 0990, 1002, 1048f, 1062f, 1119f, 1125r, 1151f, 1161, 1190, 1206f, 1233f, 1259f, 1293, 1295f, 1302f, 1311, 1335f, 1347f, 1356, 1359f, 1362f, 1386f, 1405, 1408f, 1411f, 1427, 1457, 1471, 1501, 1511f, 1520f
Expander cycle, 0996, 1497p
Exploration, 0003, 0023-26, 0029f, 0031f, 0158-61, 0163, 0269f, 0291-95, 0297-303, 0305r, 0306b, 0410-12, 0535-38, 0679, 0787, 0802-08, 0926, 0933-35, 0937-38, 0939f, 1063, 1065, 1161, 1177-78, 1296, 1306-08, 1457
Explosion, 0678f, 0993-94, 1041, 1367
Explosive fracturing, 0929-31
External damage, 0201, 0226, 0346, 0596, 0597f, 0623, 1000
Exxon process, 0332, 0338f, 1480p
Failure, 0082, 0088-89, 0090f, 0097, 0103, 0201, 0226-27, 0345-46, 0349, 0360-64, 0576f, 0585, 0592, 0596, 0597f, 0725-26, 0741-46, 0750, 0838, 0865r, 0882-83, 1000, 1108, 1169, 1173, 1222, 1226, 1227f-28f, 1350, 1360, 1361p, 1368f, 1439, 1452p, 1513-15, 1518p, 1526
Fault, 0413
FBH process, 0837
Filtration, 0168, 0832, 1435
Fire, 0236, 0458-59, 0871, 0874
Fischer Tropsch process, 0183, 0810
Fitting, 0715, 0733, 0866p
Fixed bed process, 0317-18, 0419-20, 0426, 0436, 0549r, 0698f, 0822, 0947, 0970, 1324, 1329, 1330
Flame, 0139, 0263, 0641f, 0778-79, 0781, 0911r, 1007, 1042, 1043r, 1158f, 1286, 1400, 1561, 1563-64
Flammability, 0912, 1285, 1562
Flange, 0715
Flaring, 1340
Flow, 0017, 0021, 0030f, 0084, 0095, 0138f, 0165, 0216f-17f, 0271, 0273-75, 0277-78, 0358f, 0395-97, 0456f, 0467, 0577, 0579, 0580-82, 0588, 0651, 0670-71, 0677f, 0688, 0715-18, 0791, 0798r, 0799, 0801, 0923, 0979, 0986, 0993-94, 1095f, 1100f, 1105, 1171-72, 1213f, 1216f, 1220, 1284, 1351f, 1357, 1434, 1450p, 1509f-10f, 1557, 1563
Flue, 0626f, 0633, 1130f, 1132f, 1235, 1539f, 1541f
Fluidized bed process, 0040, 0058-59, 0329, 0421, 0435, 0438p, 0552-53, 0561f, 0688, 0834, 0844p, 0846p, 1183, 1320, 1323, 1403, 1472, 1477p, 1479p-80p
Fluor process, 1093
Food processing, 0232, 0233f, 0472f-73f, 0636b, 1011, 1372
Footage, 0029f
Formation, 0667, 0802, 1064
Formation damage, 0287, 0527, 0801, 1054, 1166r, 1297, 1435, 1453p
Fossil fuel, 0265, 0330, 0518-19, 0658, 1431
France, 0122f, 0148, 0218f, 0353, 0558, 1259f, 1511f, 1520f
Fuel cell, 0247, 0248p, 0504, 0643, 0711, 0770-71, 0900-03, 1148, 1344b, 1409p, 1552
Gas expander, 0723, 1090, 1094p
Gas field, 0022, 0024-25, 0084, 0164, 0289f, 0410, 0412, 0525, 0677f, 0714, 0794, 0797, 0926, 0935-36, 0939f, 1053, 1062f, 1161, 1178, 1208, 1293, 1438, 1443, 1457, 1489
Gas flow, 0138f, 0217f, 0273-75, 0278, 0358f, 0456f, 0467, 0577, 0579-82, 0651, 0670-71, 0715-18, 0791, 0799, 0923, 0993-94, 1095f, 1100f, 1105, 1213f, 1216f, 1351f
Gas grill, 0369p, 1372
Gasification, 0032-37, 0038r, 0039-40, 0041r, 0042-45, 0047-49, 0051, 0052r-55r, 0056-64, 0065b, 0066f, 0167-77, 0179r, 0180-84, 0186p, 0245p, 0307-10, 0316-25, 0329-31, 0335f-38f, 0390b, 0416, 0418r, 0419-23, 0426-32, 0434-36, 0437f, 0438p-39p, 0540r, 0541-45, 0547r, 0548, 0549r-50r, 0551-53, 0555, 0557-60, 0561f-63f, 0564p-65p, 0684r, 0685-87, 0689-94, 0697, 0698f, 0699p, 0701p-02p, 0810, 0812-14, 0816-19, 0821-22, 0825, 0828, 0830, 0832, 0834-40, 0841f-43f, 0844p-48p, 0852b, 0901, 0940, 0942-47, 0949-56, 0958, 0960, 0962b, 0963-66, 0969-70, 0971r, 0972b, 0973-74, 0975b, 0976, 0977p-78p, 1067-75, 1076r, 1078, 1083, 1084r, 1085, 1086f, 1179-81, 1183-88, 1190-97, 1198r-99r, 1200-04, 1310-18, 1322-27, 1329-32, 1334f-36f, 1337p-38p, 1344b, 1407, 1461-70, 1472-73, 1474f, 1475p-78p, 1480p-86p
Gas industry, 0006b, 0141-42, 0152, 0606, 0662, 0784, 0880, 1302f, 1529b
Gas liquefaction, 0091, 0104, 0106p-08p, 0730, 0856p, 0996, 0997p-98p, 1559
Gas origin, 0028, 0030f, 0166, 0681, 0414-15, 0803, 1176, 1309
Gas plant, 0032-33, 0038r, 0043, 0064, 0068, 0091, 0098-100, 0168, 0181, 0308, 0319, 0332, 0335f, 0340-41, 0418r, 0421-22, 0435, 0437f, 0438p, 0461, 0525, 0540r, 0545, 0548, 0550r, 0552-53, 0558, 0563f, 0567, 0569f, 0600, 0678f, 0697, 0698f, 0704, 0706f, 0813, 0816, 0818, 0835, 0838-40, 0845p-46p, 0848p, 0849, 0853f-55f, 0940, 0948, 0950, 0954-55, 0962b, 0963-65, 0970, 0974, 0981, 1027, 1072, 1075, 1082, 1091, 1186, 1190-91, 1199r, 1206f, 1208, 1311, 1318, 1331, 1340, 1343, 1347f, 1460, 1470, 1472, 1474f, 1476p-78p, 1480p-82p, 1485p-87p, 1488-89, 1496p
Gas processing, 0068, 0340, 0444p, 0570f, 0571p-72p, 0708p, 0730, 0981, 1090, 1093, 1094p, 1208, 1347f, 1489, 1491, 1497p-98p
Gathering line, 0022, 0081, 0347p, 1434
Generator, 1275
Geochemical method, 0028, 0297, 0805, 0935-36, 1297, 1459p
Geologic process, 0030f, 0164, 0166, 0296, 0603, 0803-04, 1064, 1178
Geologic structure, 0024-27, 0031f, 0036, 0157, 0164-65, 0216f-17f, 0268, 0272, 0278, 0281, 0290-91, 0293-94, 0306b, 0353, 0408, 0410, 0412-13, 0415, 0466-67, 0535, 0538, 0667, 0670-72, 0677f, 0680, 0682, 0797, 0799, 0802-04, 0924r, 0934, 0936, 1063-64, 1176, 1178, 1304p, 1306, 1362f, 1442-43, 1454, 1457
Geology, 0002, 0284, 0291, 0293, 0296, 0306b, 0410, 0412, 0536, 0682, 0803, 0807, 0933, 0939f, 1178, 1301, 1306, 1457
Geophysical method, 0024, 0077, 0294-95, 0304, 0305r, 0406, 0411, 0539, 0667, 0681, 0694, 0796, 0800, 0935-36, 1065, 1316, 1455-56, 1458
Geopressure energy, 0018, 0272, 0394, 0404-05, 0523, 0530, 0672, 0683, 0799, 1174-75, 1440, 1442, 1444
Geothermal energy, 1259f
Giant gas field, 0410
Glass, 0124, 0376p, 0760, 0897, 1265p
Grass, 0310, 0556, 0822
Gravity method, 0411

Greenhouse, 0086f, 0208f, 0482f-83f
GRH process, 0637
Gulf of Mexico, 0009-12, 0156, 0679, 0794, 1176
Gulf process, 1326
Heat exchanger, 0108f, 0125, 0372p, 0475, 0477, 0491-92, 0493f, 0625b, 0629, 0759p, 0868f, 0890, 0898p, 1008p, 1135-37, 1241, 1249, 1250f, 1252, 1254f, 1389p, 1392, 1477p, 1542p, 1543
Heat processing, 0042, 0123-24, 0126f-27f, 0128p, 0241, 0243f, 0374-75, 0376p, 0420, 0487-90, 0493f, 0495f-98f, 0636b, 0636, 0760, 0763, 0765f, 0897, 0899p, 1020, 1023f-24f, 1262, 1265p, 1395f, 1397f, 1399, 1546-48
Heat pump, 0234, 0237, 0373p, 0390b, 0471, 0476, 0478-79, 0480r, 0495f, 0627r, 0630-31, 0634, 0842f, 1017p, 1127, 1131f, 1138, 1240f, 1241-45, 1247-48, 1258f-59f, 1260p, 1383, 1385, 1388p, 1393, 1536, 1537, 1545, 1549
Heat recovery, 0042, 0086f, 0104, 0125, 0185p, 0208f, 0234, 0376p, 0482f, 0489, 0491-92, 0591p, 0625b, 0703p, 0760, 0868f, 0895, 1018, 1022f, 1104, 1134, 1136, 1138, 1236, 1371f, 1393-94, 1486p, 1543, 1545, 1547
Heat storage, 0628b
Heat transfer, 0105, 0108f, 0425, 0429, 0486, 0490, 0493f, 0601, 0779, 0862f, 0898p, 1021, 1097f, 1109f, 1377, 1400, 1433, 1546, 1559
Helium, 0386
HICOM process, 0307, 0966
High Btu gas, 0844p
High pressure, 0526, 0578, 0993-94, 1038, 1209p, 1515
High temperature, 0125, 0491-92, 0526, 0852b, 0980, 1038, 1135, 1137, 1440
Holiday, 0449f, 0727
Hooped pipe, 0578
House, 1374
Humidity, 1538
Hungary, 1302f
Hurricane, 0009-10, 0156
Hydrate, 0258, 0381, 0409p, 0512, 0533p-34p, 0675, 1039, 1309, 1433, 1445, 1448, 1449f
Hydraulic fracturing, 0162, 0276, 0283, 0400, 0406, 0408, 0534p, 0668, 0792, 0800, 0929-31, 1298, 1453p
Hydrocarbon, 0908, 1424f
Hydrogasification, 0043, 0702p
Hydrogen, 0050, 0314-15, 0339, 0385-86, 0557, 0649, 0781, 0910, 0941, 0958, 1155, 1554-56, 1561
Hydrogenation, 0326-27
Hydrogen sulfide, 0069, 0073p, 0088, 0256, 0328, 0381, 0384, 0442-43, 0444p, 0532f, 0705f-06f, 0710p, 0840, 0855f, 0984p, 1089, 1207, 1340, 1343, 1487p, 1494, 1495p
Hydrostatic testing, 0198, 0593, 0987, 1098, 1109f
Iceberg, 0401
Ignition, 0096, 0263, 0505, 0772, 1041, 1122, 1142f
IGT process, 0338f, 0438p, 0553-54, 0558, 0702p, 0819, 0832, 0834, 0846p, 0969, 1479p, 1493
Incinerator, 0244, 0767
Income, 0006b, 0145, 0282, 0392, 0521, 0789
India, 0306b, 0548, 1306
Indonesia, 0525, 0537, 1053
Indoor pollution, 0233f, 1010, 1013, 1384
Industrial burner, 0125, 0128p-29p, 0243f, 0375, 0377p, 0488-89, 0496f, 0501p, 0639f, 0761-63, 0764f, 0766p, 0895, 0911r, 1007, 1025f, 1026p, 1135, 1139f-40f, 1142f-43f, 1263f, 1265p, 1381, 1391-92, 1398f, 1543, 1548, 1550p
Industrial furnace, 0123-25, 0126f, 0128p-29p, 0231p, 0241, 0243f, 0374, 0376p, 0390b, 0486, 0636b, 0488-92, 0494f, 0496f-97f, 0625b, 0638, 0639f-40f, 0760, 0763, 0895-97, 0911r, 1018, 1020-21, 1022f-24f, 1136, 1139f-41f, 1263f-64f, 1392-94, 1395f-98f, 1401f, 1402p, 1543-44
Industrial space heating, 0502, 0627r
Industrial waste, 0037, 0041r, 0171, 0184, 0421, 0559, 0767, 0978p, 1074
Information service, 0130, 0655f, 0674-75, 0683, 0784, 0965, 0974, 1045, 1060f, 1301
Inplant metering, 1366f
In situ process, 0036, 0039, 0051, 0052r-55r, 0056, 0066f, 0173-74, 0180, 0320-22, 0429, 0547r, 0565p, 0691-94, 0830, 0972b, 0973, 1083, 1084r, 1085, 1198r, 1200-05, 1310, 1313-16, 1326-27, 1337p-39p, 1475p, 1484p
Inspecting, 0078, 0087, 0092, 0349, 0528, 0583, 0592, 0751, 0864, 0866p, 0870, 1107, 1219f, 1506
Instrument, 0077, 0118, 0211, 0283, 0365, 0469, 0608, 0610f, 0620-21, 0654, 0705f-06f, 0748, 0765f, 0800, 0972b, 1003, 1004f, 1023f, 1174-75, 1232, 1276f, 1279, 1528
Insulation, 0103, 0105, 0126f, 0219, 0229f, 0235, 0239f, 0595, 0628b, 0639f, 0733, 0862f, 0896, 1129f, 1256f, 1374, 1396f, 1519, 1534
Interchangeability, 0140, 0264, 0288f, 0516f-17f, 0653, 0782f, 1007, 1119f, 1141f
Interruptible service, 0266
Interstate pipeline, 0144, 0521, 0662, 0789, 0790
Investment, 0121, 0122f, 0141, 0282, 0292, 0342, 0394, 0407, 0598, 0660, 0721, 0783, 0822, 0835, 0937, 1052, 1165, 1207, 1474f
Iran, 0003
Iraq, 0003
Iron, 0312-13
Isopach mapping, 0536
Italy, 0415
Japan, 0099, 0612, 1125r
Joint, 0112, 0118, 0193, 0197, 0200, 0204, 0344, 0469, 0531f, 0592, 0594, 0734, 0751, 0878, 0989, 0991, 1005, 1099, 1107-08, 1115p, 1353, 1361p, 1523
KBW process, 0062
Kiln, 0123
Kilngas process, 0319, 0950, 0955
Kinetics, 0034, 0040, 0049, 0069, 0137, 0183, 0308, 0311, 0318, 0321-23, 0326-28, 0388, 0417r, 0425, 0428, 0431, 0541-42, 0550r, 0568, 0685-87, 0695, 0778-80, 0811, 0813, 0818, 0825, 0910, 0943, 0946, 0952, 0968, 0975b, 1007, 1042, 1043r, 1044, 1066, 1068, 1078, 1179, 1317, 1333, 1424f, 1461, 1466-67, 1473
Krupp process, 1338p
Kuwait, 0003
K value, 0440, 0825
Landfill gas, 0188p, 0333, 0540r, 0696, 0829, 0831, 0849, 1088p, 1206f, 1471
Large diameter pipeline, 0078, 0087, 0204, 0714, 0858, 1214f-15f, 1226, 1350, 1515
Large volume meter, 0138f
Leak, 0082, 0107p, 0113, 0202, 0220, 0356p, 0366f-67f, 0448f, 0605f, 0609, 0610f, 0620-22, 0624, 0629, 0735, 0738, 0739f, 0740, 0871, 0878, 0993-94, 1004f, 1116, 1219f, 1303p, 1367, 1521, 1523, 1524f, 1525, 1527-28
Leak detector, 0469, 0610f, 0620-21, 0654, 1004f, 1528
Leak testing, 0365, 0620, 1527-28
Legal consideration, 0146-47, 0282, 0354, 0521, 0656, 0662, 0790, 0877, 0923, 1159
Legislation, 0656
Lignite, 0043, 0057, 0317-18, 0423, 0685, 0841f, 0843f, 0952, 1313, 1323, 1329
Linde process, 0996
Linepacking, 0858
LNG, 0091-103, 0105, 0107p, 0108f, 0133-34, 0210-12, 0213f-14f, 0253, 0255, 0350-52, 0457-58, 0461-63, 0464p, 0522, 0574, 0598-601, 0602p, 0664, 0731p-32p, 0785, 0856p, 0874, 0875p, 0904, 0908, 0917, 1097f, 1110, 1111p, 1229f, 1519, 1520f
LNG transfer, 0215f, 1110
Load forecasting, 0223, 0469, 0614, 0616-18, 1103, 1118f, 1120f, 1233f
Logging, 0283, 0294, 0304, 0539, 0669, 0681, 0796, 0936, 1065, 1308, 1436, 1450p
Low Btu gas, 0389, 0419-20, 0912, 0955, 0970, 1199r, 1561
Low temperature, 0136, 0440, 0708p, 0719, 1253f, 1519
LPG, 0172, 0253, 0263, 0269f, 0381, 0571p, 0708p, 0904, 0908, 1032f, 1490, 1563
Lurgi process, 0033, 0307, 0332, 0338f, 0562f, 0698f, 0810, 0816, 0835, 1205, 1407
Main, 0112-13, 0226, 0354, 0355f, 0356p, 0606, 0609, 0620-21, 0624, 0876, 1521-23, 1525, 1527-28
Maintenance, 0082, 0087, 0092, 0100, 0111-12, 0200-04, 0220, 0221p, 0344, 0346, 0347p, 0356p, 0366f, 0405, 0469, 0583, 0609, 0612, 0615, 0751, 0864, 0865r, 0870, 0879, 0991-92, 1099, 1126f, 1217-18, 1219f, 1231, 1353, 1506-07, 1521-24f
Malaysia, 1029, 1274
Manmade satellite, 0535, 1355-56
Manufactured gas, 0035, 0043, 0181, 0188p, 0245p-46p, 0259-62, 0264-65, 0269f, 0389, 0390b, 0419-20, 0437f, 0443, 0518-19, 0546, 0548, 0712f, 0781, 0788, 0835, 0838, 0852b, 0912, 0941, 0955, 0958, 0970, 0975b, 0976, 0980, 1072, 1086f, 1199r, 1203, 1205, 1230f, 1311, 1318, 1323, 1328, 1344b, 1345, 1346b, 1349p, 1403, 1460, 1486p, 1493
Mapping, 0199, 0291, 0294, 0306b, 0406, 0412, 0536, 0597f, 0668, 0680, 0800, 0807, 1117, 1210, 1308, 1316
Marketing, 0142, 0393, 0506, 0520, 0884-86, 0895, 0900, 1006, 1146, 1529b, 1553
Materials selection, 0038r, 0838, 0965, 1331
Materials testing, 0229f, 0743, 0745, 0750, 0839, 0840, 0963-64, 1354f, 1368f, 1526
Mechanical property, 0088, 0097, 0257, 0384, 0514, 0734, 0742, 0746, 0860, 0965, 1512f, 1519, 1558
Medium Btu gas, 0337f, 1205, 1561
Membrane process, 0650, 0851, 1093
Membrane tank, 0214f
Metal, 0042, 0057, 0088, 0097, 0126f, 0128p, 0137, 0170, 0243f, 0311-13, 0375, 0489, 0566p, 0763, 0824, 0838, 0861, 0913, 0963, 0965, 0967, 1081, 1170, 1262, 1321-22, 1547-48
Metering, 0084, 0114, 0138f, 0205, 0207f, 0271, 0357, 0450, 0452-53, 0585-87, 0611, 0619, 0737, 0867, 0881f, 1001, 1101-02, 1105, 1116, 1220, 1357, 1366f, 1367, 1451p, 1512f, 1559
Meter reading, 0619, 1002
Methanation, 0044-45, 0067p, 0177, 0180, 0185p, 0307, 0311-16, 0326-28, 0338f, 0541, 0554, 0566p, 0700p, 0703p, 0809, 0823, 0844p, 0907, 0966-68, 1080-82, 1087p, 1182, 1320-21
Methane, 0134, 0254, 0256-57, 0263, 0339, 0381, 0384, 0388, 0505, 0654, 0671, 0768p, 0777-80, 0910, 0913, 1034, 1037, 1039, 1041, 1044, 1155, 1157, 1266p-72p, 1404p, 1424f, 1444, 1556, 1558, 1561-62
Mexico, 0158, 1291
M-GAS process, 0058
Middle East, 0003, 0159
Migration, 0030f, 0166, 0414-15, 0603
Mileage, 0006b
Mineral, 0652, 1187
Mobil process, 0378p, 1475p
Modeling, 0004-05, 0009, 0017, 0021, 0027-28, 0033-34, 0036, 0039-40, 0047, 0051, 0052r-54r, 0069-70, 0081, 0087, 0154, 0157, 0162, 0165, 0173-74, 0178, 0187, 0211, 0213f, 0216f, 0222-23, 0228, 0237, 0254-57, 0263, 0267, 0277-78, 0296, 0308, 0311, 0314, 0320-24, 0331, 0339, 0351, 0358f, 0362-64, 0381-87, 0394-95, 0397, 0399, 0408, 0414, 0424-26, 0429-30, 0434-35, 0448f, 0456f, 0458-59, 0463, 0465, 0486, 0489, 0494f, 0496, 0529, 0541, 0543, 0561f, 0570f, 0579, 0580-82, 0584, 0587-89, 0601, 0603, 0607, 0614, 0616-18, 0622, 0624, 0628b, 0633, 0659, 0671, 0676f-77f, 0685-88, 0695-96, 0716-20, 0725, 0734, 0741, 0744-45, 0753r, 0769, 0775, 0778-79, 0781, 0792, 0795, 0799, 0804, 0806, 0811, 0826, 0836-37, 0855f, 0859f, 0860, 0863f, 0872f-73f, 0874, 0877, 0882, 0884-86, 0902, 0909, 0924r, 0928, 0931, 0956, 0967-68, 0971r, 0972b, 0974, 0975b, 0993-94, 1004f, 1007, 1021, 1035-36, 1041-42, 1043r, 1047, 1057, 1059, 1066, 1083, 1084r, 1097f, 1103, 1106f, 1112, 1113f, 1118f, 1129f, 1131f, 1150, 1153, 1156, 1160, 1166r, 1167-68, 1171-73, 1183-85, 1187, 1194-97, 1212, 1213f-14f, 1216f, 1217-18, 1223-24, 1227f, 1229f, 1233f, 1239, 1243, 1247-49, 1256f, 1262, 1280-82, 1283f, 1284, 1286, 1298-99, 1308, 1312-13, 1315, 1320, 1324, 1333, 1351f-52f, 1357, 1363, 1369, 1374-75, 1377-78, 1393, 1400, 1415, 1421f-22f, 1429, 1433-34, 1444-46, 1449f, 1466, 1509f-10f, 1514-15, 1517, 1519, 1526-27, 1534, 1544, 1546, 1555, 1557, 1560, 1563
Molecular sieve process, 0070, 1348f
Molten salt process, 0956, 1476p, 1493
Monitoring, 0207f, 0498f, 0588, 0604f, 0654, 0694, 0705f, 1174-75, 1264f, 1316, 1367, 1380, 1401f, 1402p, 1453p, 1518p
Mooring, 1049
Moving bed process, 0033, 0702p
MSW, 0167, 0333, 0416, 0540r, 0697, 0832, 0847p, 0944-45, 0951, 0969, 0978p, 1071, 1470
Multiphase flow, 0017, 0021, 0579-81, 0651, 0677f, 0718, 0798r, 0801, 0979, 0986, 1171-72, 1434
Natural gas, 0007, 0257, 0259-62, 0380, 0383, 0414-15, 0514, 0530, 0537, 0648, 0909, 1040, 1167, 1558
Natural gas liquid, 0149, 0263, 0271, 0340, 0378p, 0444p, 0571p-72p, 0658, 0708p, 0730, 0777, 1034, 1041, 1154, 1208, 1341, 1431, 1490, 1498p, 1555
Netherlands, 0083, 0155f, 0239f, 0288f-89f, 0516f, 0655f, 0666f, 0782f, 1151f, 1366f
Network analysis, 0080, 0083, 0115-17, 0607, 1363, 1510f
New Zealand, 0132, 0298, 1027
Nickel, 0057, 0137, 0170, 0311-16, 0566p, 0642, 0809, 0824, 0907, 0913, 0967, 1081, 1320-22
Nigeria, 0342, 0785
Nitrogen, 0070, 0102, 0189p, 0246p, 0254, 0276, 0384, 0445p, 0856p, 1395f
Nitrogen oxide, 0124, 0231p, 0232, 0233f, 0781, 0890, 0897, 1010, 1044, 1131f, 1384, 1550p
Noise, 0128p, 0485p, 0639f, 0911r, 1391, 1416p
Nondestructive testing, 0087, 0118, 0528, 1107
North America, 0001, 0004-05, 0006b, 0011-12, 0023-26, 0028, 0061, 0098-100, 0141-42, 0144-45, 0149-53, 0158, 0163-64, 0180-81, 0223, 0236, 0244, 0266-67, 0280-82, 0291, 0294, 0296-97, 0301, 0305r, 0319, 0343, 0350, 0371, 0391-94, 0400, 0403, 0410, 0413, 0418r, 0434, 0447, 0460-61, 0465, 0506, 0521, 0523, 0536, 0538, 0540r, 0599-600, 0603, 0637, 0656-57, 0660-64, 0679-80,

0682-83, 0713, 0783-84, 0786-90, 0794, 0802-03, 0807, 0849, 0857, 0871, 0880, 0914-16, 0919-20, 0933, 0935-36, 0938, 0940, 0970, 0985, 1006, 1012, 1031, 1045-47, 1058, 1063-65, 1091, 1125r, 1176, 1178, 1199r, 1204, 1288-92, 1296, 1307, 1341, 1370, 1373, 1425-26, 1428, 1430, 1432, 1454, 1488-89, 1502-03, 1529b, 1553
North Sea, 0015, 0028, 0075-76, 0285, 0290, 0412, 0575, 0805, 0808, 0926, 0934, 1062f, 1161, 1293, 1356, 1438, 1457, 1500
Norway, 0285, 0412, 1062f, 1356-57
Nozzle mix burner, 0501p, 1381
Nuclear energy, 0149
Oceania, 0132, 0161, 0190, 0271, 0298, 0302, 0525, 0537, 0986-87, 1027, 1029, 1053, 1208, 1274
OCS, 0282, 0538, 0938
Odorant, 0225, 0359, 0367f, 0736f, 0738, 0739f, 0749, 1003
Odorization, 0225, 0359, 0365, 0367f, 0390b, 0739f, 0740, 0747-48
OECD, 0143, 0916
Offshore, 0009-12, 0014-15, 0017, 0028, 0064, 0075-76, 0091, 0156, 0192, 0195, 0200, 0215f, 0258, 0268, 0280, 0282, 0285, 0290, 0295, 0297, 0303, 0305r, 0306b, 0343-45, 0347p, 0349, 0351, 0397, 0401-03, 0412, 0447, 0458, 0460, 0525, 0528, 0537-38, 0575, 0673, 0679, 0714, 0725, 0732p, 0787, 0793-94, 0805, 0808, 0859f, 0866p, 0925r, 0926, 0934, 0938, 0985-89, 0991-92, 1047, 1049-52, 1054-55, 1057, 1062f, 1099, 1112, 1161-64, 1168, 1173, 1176, 1218, 1219f, 1224-25, 1293, 1303p, 1307, 1309, 1350, 1353, 1356, 1361p, 1437-38, 1445, 1457-58, 1499-500, 1513-14, 1516-17
Oil, 0004-05, 0032, 0060, 0143, 0149, 0159-61, 0299-302, 0336f, 0378p, 0439p, 0537, 0658, 0785, 0787, 0825, 0938, 1046, 1290, 1293, 1311, 1431, 1476p, 1480p
Oil gas, 0264
Oil shale, 0702p
Oman, 1273
Onsite power generation, 0207f, 0504, 0559, 0590p, 0770, 0900, 0954, 1147, 1148
OPEC, 0143, 1290
Optimization, 0022, 0068, 0071, 0080, 0131, 0154, 0216f-17f, 0323-24, 0341, 0348, 0465, 0550r, 0577, 0584, 0589, 0696, 0791, 0799, 0813, 0881f, 0932p, 1090, 1126f, 1318, 1363, 1434, 1460, 1509f
Orifice meter, 0450, 0585, 0587, 0737, 0867, 1102, 1105, 1220, 1357
Otto Hydrogas process, 0337f
Pacific Ocean, 0280
Particulate, 0040, 0818, 0852b, 1346b, 1470, 1477p
Pavement breaking, 0110-11, 0876, 1114
PDU, 0418r, 0553
Peakshaving, 0098, 0213f, 0350, 0600, 0858
Peat, 0417r, 0817, 0830, 1180, 1324
Permafrost, 0206f, 0534p, 0719
Permeability, 0026, 0287, 0395, 0400, 0650-51, 0801
Petrochemical, 0153, 0245p-46p, 0378p, 0379, 0768p, 0826, 0842f, 1027, 1403, 1404p
Phillips process, 0708p, 1094p
Physical property, 0026, 0044-45, 0064, 0088, 0097, 0102, 0133-36, 0253-62, 0164, 0184, 0187, 0196, 0228, 0286-87, 0339, 0345, 0363-64, 0382-84, 0387, 0390b, 0395, 0400, 0417r, 0427, 0430, 0432-33, 0441, 0468, 0510-11, 0513-14, 0515f, 0530, 0532f, 0645-48, 0650, 0652, 0670-71, 0675, 0677f, 0722, 0729f, 0734, 0742, 0746, 0752, 0775-76, 0801, 0815, 0820, 0828, 0833, 0860, 0862f-63f, 0873f, 0908-09, 0912, 0924r, 0929, 0957, 0959, 0961, 0965, 0996, 1034, 1037, 1039-40, 1065, 1077, 1108, 1141f, 1143f, 1154-55, 1157, 1166r, 1167, 1212, 1229f, 1246, 1280-81, 1283f, 1285, 1300, 1313-15, 1400, 1417-20, 1421f, 1423f, 1444, 1448, 1449f, 1455, 1490, 1512f, 1556-59, 1561-62, 1564
Pigging, 0204, 0347p, 0865r, 0870, 0992, 1098, 1364f, 1506-07, 1523
Pilot burner, 0368p, 1122, 1142f
Pilot plant, 0418r
Pipe, 0008, 0013, 0088, 0118, 0196, 0220, 0226-28, 0229f, 0270, 0273-74, 0288f, 0355f, 0356p, 0360-64, 0390b, 0446, 0491, 0531f-32f, 0578, 0594-95, 0605f, 0606, 0609, 0624, 0734-35, 0741-46, 0750-52, 0854f, 0860-61, 0878, 0882-83, 0927, 0995, 1005, 1050, 1096f, 1108, 1162, 1169, 1173, 1227f, 1231, 1305p, 1360, 1364f, 1368f, 1439, 1441, 1446, 1452p, 1521-23, 1526
Pipeline, 0006b, 0017, 0022, 0075-83, 0087, 0089, 0090f, 0144, 0190-95, 0197-204, 0206f-07f, 0209-10, 0219-20, 0222, 0275, 0285, 0342-46, 0347p, 0349, 0446-47, 0448f-49f, 0454, 0456f, 0521, 0525, 0575, 0576f, 0577-83, 0588, 0593, 0595-96, 0597f, 0662, 0664, 0705f, 0712f, 0713-14, 0716-21, 0724-28, 0729f, 0736f, 0789-90, 0857-58, 0859f, 0862f, 0864, 0865r, 0866p, 0869-70, 0872f-73f, 0877, 0879, 0985-92, 0995, 0999r, 1095f-97f, 1098-1099, 1100f, 1106f, 1107, 1109f, 1210, 1212, 1213f-16f, 1217-18, 1219f, 1222-26, 1227f-28f, 1231, 1350, 1351f-52f, 1353, 1354f, 1355-56, 1359f, 1360, 1361p, 1427, 1434, 1499-503, 1504p-06p, 1507, 1509f-10f, 1513-17, 1518p
Pipe locating, 0365, 0608, 0735, 0866p, 1232, 1364f
Pipe manufacturing, 0196, 0750, 0861
Plastic pipe, 0118, 0227-28, 0229f, 0288f, 0355f, 0360-64, 0390b, 0606, 0734-35, 0741-46, 0750-52, 0854f, 0882-83, 1231, 1364f, 1368f, 1522, 1526
Platform, 0010, 0091, 0156, 0280, 0285, 0305r, 0401-02, 0528, 0673, 0925r, 1055-57, 1164, 1168
Pollution sampling, 0569f
Porosity, 0026, 0924r
Positioning system, 1049
Positive displacement meter, 0737
Power generating, 1273
Power generation, 0061, 0063, 0130-31, 0207f, 0247, 0471, 0502-04, 0559, 0590p, 0602p, 0643, 0711, 0723, 0731p, 0769-71, 0875p, 0900-01, 0940, 0950, 0954-55, 1028-29, 1030f, 1071-72, 1111p, 1144-49, 1274-75, 1405-07, 1408f, 1409p, 1426, 1431, 1551-52
Power line, 1223
Power plant, 0247, 0816, 0940, 0950, 0955, 1029, 1072, 1147, 1273, 1407
Prediction, 0004, 0022, 0143, 0150-51, 0153, 0155f, 0267, 0352, 0393, 0524f, 0659, 0661, 0835, 0916, 0918, 0920, 1048f, 1177, 1287r, 1289, 1292, 1426, 1432
Preheating, 1136, 1547
Premix burner, 1251
Prenflo process, 0338f
Pressure, 0162, 0277, 0396, 0399, 0515f, 0526, 0578, 0647, 0667, 0676f, 0795-96, 0863f, 0872f, 0928, 0932p, 0993-94, 1038, 1061f, 1095f, 1162, 1209p, 1304p, 1453p, 1515
Pressure regulation, 0357, 0607, 0613, 0723, 1365, 1366f
Pretreating, 0182, 0436, 0707p, 0817, 1188, 1193, 1329-30, 1461, 1470
Price, 0001, 0004-05, 0007, 0142, 0144-45, 0151-53, 0392, 0520-21, 0656-57, 0662, 0786, 0788, 0790, 0808, 0914-15, 1046, 1159, 1290, 1292, 1428
Process, 0018, 0032-37, 0039-40, 0041r, 0042-46, 0049-51, 0052r-55r, 0056-60, 0062-64, 0065b, 0066f, 0067p, 0069-72, 0073p-74p, 0093, 0104, 0106p, 0167-77, 0179r, 0180-81, 0183, 0185p-86p, 0187, 0188p-89p, 0245p-46p, 0307-09, 0311-32, 0334, 0335f-38f, 0339-41, 0378p, 0390b, 0416, 0417r-18r, 0419-22, 0424-29, 0431, 0435-36, 0438p-39p, 0440-43, 0444p-45p, 0540r, 0541-45, 0547r, 0548, 0549r-50r, 0551-60, 0561f-63f, 0564p-66p, 0567-68, 0572p-73p, 0643, 0646, 0649-50, 0684r, 0685-95, 0697, 0698f, 0699p-703p, 0704, 0707p-10p, 0730, 0731p, 0768p, 0809-14, 0816-24, 0826, 0830, 0832, 0834-38, 0842f-43f, 0844p-48p, 0849-51, 0852b, 0853f, 0856p, 0901, 0907, 0942-45, 0947-53, 0955-56, 0960, 0962b, 0964, 0966-70, 0972b, 0973-74, 0975b, 0976, 0977p-78p, 0980, 0982p-84p, 0996, 0997p-98p, 1027, 1066-69, 1071, 1073-75, 1076r, 1078, 1080-83, 1084r, 1085, 1087p, 1089-93, 1094p, 1111p, 1179, 1180-83, 1186, 1188-95, 1198r-99r, 1200-05, 1207, 1266p-72p, 1310-17, 1319-27, 1329-30, 1332-33, 1334f, 1337p-39p, 1342-43, 1344b, 1345, 1346b, 1348f, 1349p, 1375, 1403, 1404p, 1407, 1420, 1423f, 1461-65, 1469, 1472-73, 1474f, 1475p-81p, 1483p-85p, 1487p, 1488-89, 1491-93, 1495p-98p, 1559
Production, 0006b, 0029f, 0159-61, 0298-302, 0524f, 0661, 0785, 0787-88, 0914-15, 0920, 0926, 0939f, 1047, 1291, 1294f, 1341, 1427, 1431-32
Production system, 0018, 0048, 0285, 0402-03, 0405, 0525, 0529, 0533p, 0672, 0678f, 0696, 0829-30, 1056, 1060f, 1062f, 1088p, 1162, 1303p, 1438
Propane, 0263, 0381, 0777, 1041, 1563
Protein synthesis, 0325
Proving, 0114, 0611
Puerto Rico, 0293
Pulsation, 0358f
Pulse combustion burner, 0242, 0485p, 0632, 0754, 0905, 0911r, 1011, 1124, 1150, 1234r, 1381, 1414-15, 1416p, 1533
Purging, 0092
Purification, 0018, 0032, 0069, 0071-72, 0073p-74p, 0181, 0188p-89p, 0246p, 0338f, 0340, 0440-43, 0444p-45p, 0567-68, 0569f, 0573p, 0650, 0704, 0705f-06f, 0707p, 0710p, 0843f, 0849-51, 0852b, 0853f, 0856p, 0975b, 0980, 0982p-84p, 1089, 1091-93, 1199r, 1207, 1340, 1342-43, 1344b, 1345, 1346b, 1348f, 1349p, 1486p-87p, 1488-89, 1492-94, 1495p-96p
Pusher furnace, 1544
Pyrolysis, 0049, 0320-22, 0331-32, 0334, 0336f, 0417r, 0424-26, 0428, 0431, 0564p, 0695, 0811, 0820, 0826, 0847p, 0975b, 1066-67, 1179, 1319, 1333, 1463-64, 1473
Qatar, 0003
Radiant burner, 0232, 0368p, 0474p, 0483f, 0499p-500p, 0757p, 0761-62, 0887p, 0890, 0899p, 1025f, 1255, 1390, 1392
Radio, 1456
Radioactivity, 0796
Rail crossing, 0995, 0999r
Railroad, 1336f
Range, 0232, 0369p-70p, 0472f, 0754, 0756p, 1007, 1009-10, 1125r, 1372
Rapid heating furnace, 0638
Reciprocating compressor, 0584, 0589, 1211
Record system, 0597f
Recuperative burner, 0377p, 0489, 1025f, 1139f-40f, 1550p
Reforming, 0123, 0137, 0378p, 0437f, 0642, 0847p, 1266p-72p
Refrigerant, 1246
Refrigeration, 0104, 0634, 1246
Regasification, 0093, 0108f, 0731p, 0875p, 1111p
Regulation, 0001, 0098, 0142, 0144-47, 0151, 0266, 0333, 0392, 0521, 0612, 0656-57, 0915, 1031, 1159-60, 1292
Reliability, 0130
RENUGAS process, 0834
Reserve, 0002, 0029f, 0143, 0149, 0268, 0292, 0412, 0522, 0537, 0658, 0786-88, 0914, 0938, 0939f, 1291-93, 1294f
Reservoir, 0026, 0157, 0164-65, 0278, 0408, 0670, 0797, 0924r, 0936, 1065, 1178, 1304p, 1457
Reservoir engineering, 0157, 0216f, 0277-78, 0304, 0530, 0669, 0674, 0923, 0929-30, 1058, 1061f, 1112, 1171-72, 1434
Residence, 1374
Residential heating, 0122f, 0235, 0237, 0239f, 0371, 0627r, 0628b, 0889, 1012, 1128, 1129f, 1132f, 1239, 1240f, 1241-42, 1244, 1248, 1373, 1376, 1386f-87f, 1428, 1532, 1534, 1536
Residual fuel, 0032, 0336f, 1046
Resource, 0047, 0149, 0178, 0267-68, 0394, 0434, 0523, 0555, 0658, 0661, 0683, 0786, 0919-20, 0938, 0962b, 1047, 1204, 1293, 1471
Rig, 0793, 1168
Riser, 1050, 1173
Risk, 0023, 0141, 0740, 0783, 0835, 0937, 1110, 1121f, 1165, 1516
River crossing, 0345, 1501-03, 1505p
Road crossing, 0595, 0876-77, 0995, 0999r
Rock, 0026, 0164, 0395, 0538, 0670, 0681, 0802, 0936, 1065, 1166r, 1178, 1297, 1307, 1314-15, 1455, 1457
Rock mechanics, 0162, 1166r
Rotary meter, 0737
Ruhr 100 process, 0338f, 0562f
Safety, 0011-12, 0075-76, 0082, 0088-89, 0090f, 0098, 0100, 0202-03, 0225-27, 0236, 0244, 0333, 0349, 0359, 0365, 0399, 0409p, 0600, 0612, 0633, 0678f, 0705f, 0855f, 0871, 0904, 0932p, 0999r, 1009, 1013-15, 1031, 1110, 1128, 1151f, 1228f, 1367, 1516, 1541f
Sales, 0006b, 0612, 0789-90, 1295f, 1426
Salt cavern, 0466, 0604f-05f
Sampling, 0569f, 0774, 1304p, 1459p
Sand control, 0015, 0279, 0396, 0921
Sandstone, 0164, 0395, 0538, 1178, 1307, 1457
Seafloor system, 0200, 0343, 0402, 1062f, 1303p
Seal, 0082, 0200, 0204, 0248p, 0878, 1409p
Sealing, 0496f, 0605f, 1523
Sealing material, 1409p
Seaweed, 0048, 0433, 0556-57, 0560, 0689, 0827, 0953, 0962b, 1462
Sector analysis, 0005, 0047, 0144, 0150, 0153, 0230, 0239f, 0371, 0392, 0420, 0434, 0473f, 0482f, 0606, 0637, 0666f, 0763, 0788, 0914, 0916, 0918, 1006, 1012, 1048f, 1134, 1289, 1370, 1426, 1428
Sedimentation, 0804, 1178
Seismic method, 0294-95, 0304, 0411, 0667, 1455-56, 1458
Selexol process, 0071, 0849, 1207
Service interruption, 0456f
Service line, 0221p, 1115p, 1527-28
Sewage, 0308, 0554, 0848p, 0978p, 1071
Shale, 0538, 0670, 1297
Shallow drilling, 0922, 1447
Shell process, 0073p, 0338f, 0983p-84p
Ship, 0212, 0214f-15f, 0401, 0460-62, 0464p, 0599, 0711, 1049, 1051, 1110, 1164, 1168, 1209p
Singapore, 1274
Slagging process, 0062, 0307, 0837, 1481p
SNG, 0181, 0835, 0909, 0941, 1205, 1311, 1318, 1460
Soil, 0105, 0345, 0448f, 0468, 0696, 0719-20, 1097f, 1459p
Solar energy, 0046, 0050, 0123, 0207f, 0309, 0430, 0507, 0958, 1079, 1476p
Solubility, 0441, 0646, 0775, 1167, 1280, 1420, 1423f, 1444
Sorption, 0339, 1493
Sour gas, 0013, 0340, 0526, 0532f, 0573p,

0705f, 0927, 1170, 1340
South America, 0301
South China Sea, 0537
Space heater, 0120-21, 0122f, 0236, 0240f, 0372p, 0476-78, 0484f, 0627r, 0629, 0631-33, 0635p, 0758, 0884-86, 0890-93, 0894p, 1013-16, 1125r, 1128, 1133f, 1242, 1244-45, 1248, 1250f, 1252, 1254f, 1255, 1257f, 1379-81, 1384, 1389p, 1531, 1533, 1535, 1539f-40f
Space heating, 0122f, 0208f, 0235, 0237, 0238f-39f, 0371, 0373p, 0390b, 0471, 0475, 0479, 0482f-83f, 0502, 0627r, 0628b, 0630-32, 0889, 1012, 1120f, 1128, 1129f-30f, 1132f, 1235, 1237-39, 1240f, 1241-42, 1244, 1248, 1253f, 1256f-57f, 1259f, 1373, 1376-78, 1386f-87f, 1428, 1532, 1534, 1536, 1541f
Spain, 0269f
Spectrometry, 0957
Spectroscopy, 0139, 0513, 0649, 0828, 1078, 1279, 1305p
Spill, 0094, 0101, 0211, 0351, 0458-59, 0463, 0874, 1110
Stability, 0044, 0345, 0468, 0641f, 0815, 1143f, 1166r, 1564
Stack gas, 0240f, 0629, 0765f, 1022f-23f, 1092, 1136, 1276f, 1371f, 1380, 1401f, 1402p, 1547
Standard, 0244, 0349, 0450, 0750, 1009, 1013-15, 1031, 1033, 1151f, 1222
Station, 0086f, 0206f, 0451, 0506, 0590p-91p, 0723, 0868f, 0871, 0881f, 1104, 1106f, 1215f, 1278f, 1411f, 1508, 1511f
Steel, 0042, 0088, 0097, 0126f, 0243f, 0375, 0838, 0861, 0963, 1020, 1170, 1548
Steel pipe, 0088, 0196, 0356p, 0446, 0578, 0624, 0735, 0860-61, 0927, 1096f, 1108, 1227f, 1360, 1441
Stimulation, 0019-20, 0162, 0276, 0281, 0283-84, 0400, 0406, 0408, 0534p, 0668, 0792, 0800, 0929-31, 1059, 1298-301, 1441, 1453p
Stoic process, 0970
Storage main, 0858
Storage tank, 0092, 0097, 0102-03, 0107p, 0212, 0214f, 0351, 0732p
Stove, 0233f
Stratification, 0102
Stratigraphy, 0410, 0412, 0536, 0803, 0807, 1178, 1306, 1457
Stray current, 0455, 0469, 1223
Stress, 0010, 0156, 0345, 0623, 0720, 0725-26, 0734, 0869, 0873f, 0882, 0988, 0999r, 1005, 1050, 1162, 1173, 1218, 1224-25, 1227f, 1514-15, 1518p
Subbituminous coal, 0318, 0320, 0436
Submarine, 0212, 0462, 0711
Submerged combustion, 0093, 0490, 0493f, 0898p
Sulfur, 0044, 0389, 0532f, 0843f, 1344b, 1494
Sulfur oxide, 0569f, 0981
Supply, 0003-04, 0007, 0143, 0150-51, 0153, 0155f, 0267, 0269f, 0393, 0606, 0659-61, 0665, 0712f, 0786, 0788, 0914, 0917-18, 0920, 1048f, 1288, 1290, 1292
Support, 0988
Surveying, 0077, 0199, 0538, 1436
Swamp crossing, 1502
Sweden, 1206f, 1362f
Switzerland, 1119f
Synthesis gas, 0043, 0058, 0062, 0245p-46p, 0962b, 1027, 1072, 1323, 1403
Tanker ship, 0212, 0214f-15f, 0460-62, 0464p, 0599, 0711, 1110, 1209p
Tar, 0977p, 1067
Tar sand, 0058
Tectonics, 0296
Telemetry, 0619, 1002, 1359f
Television, 1051
Temperature, 0125, 0136, 0139, 0440, 0491-92, 0515f, 0526, 0647, 0700p, 0708p, 0719, 0852b, 0943, 0945, 0980, 1038, 1097f, 1100f, 1109f, 1135, 1137, 1176, 1253f, 1287r, 1418-19, 1440, 1491, 1519, 1552
Terminal, 0215f, 0350-51, 0461, 1110, 1520f
Testing, 0087, 0097, 0114, 0118, 0198, 0229f, 0264, 0286, 0360-62, 0365, 0455, 0528-29, 0592-93, 0611, 0620, 0743-45, 0747-50, 0839-40, 0869, 0872f, 0963-64, 0987, 1009, 1013-15, 1033, 1059, 1098, 1107, 1109f, 1222, 1354f, 1368f, 1526-28
Texaco process, 0060, 0338f, 0543, 1481p
Textile, 0636b
Thailand, 0989, 1274
Theft, 1001, 1116
Thermal property, 0262, 0862f-63f, 1212, 1246, 1400, 1519
Thermodynamic property, 0064, 0136, 0256, 0258-62, 0382, 0384, 0387, 0417r, 0427, 0430, 0510-11, 0648, 0722, 0815, 0908-09, 0996, 1037, 1040, 1141f, 1154, 1157, 1229f, 1417, 1421f, 1448, 1449f, 1512f, 1559
Thermogenesis, 0415
Thin wall pipe, 0594
Tight gas sand, 0162, 0284, 0395, 0400, 0406, 0408, 0523, 0651, 0668, 0682, 0800-01, 1059, 1178, 1298, 1453p
Toscoal process, 0332
Total energy system, 0502, 0900, 1030f, 1071, 1147-48
Town gas, 0437f, 1230f
Trace component, 0816
Trade, 0006b, 0099, 0148, 0155f, 0269f, 0342, 0350, 0352, 0457, 0522, 0524f, 0661, 0663, 0665, 0712f, 0785, 0914, 0916-18, 0920, 1048f, 1290-91, 1295f, 1427
Transition temperature, 0187, 1418-19, 1421f
Transportation, 0212, 0402, 0460, 0574, 0599
Trap, 0294, 0538, 1457
Trinidad, 0714
Truck, 0610f
Tubing, 0013, 0273-74, 0491, 0927
Tunnel crossing, 1505p
Turbine, 0464p, 0502-03, 0721, 0753r, 0868f, 1028, 1144, 1236, 1274-75, 1358, 1406
Turbine meter, 0205, 0737, 1102, 1512f
Turboexpander, 1090
Turbulent flow, 0581, 1284, 1563
U-GAS process, 0338f, 0553, 0558
U.K., 0075-76, 0223-24, 0354, 0422, 0808, 0858, 0877, 0880, 1002, 1161, 1190, 1293, 1311, 1405, 1471, 1501
ULTRA process, 1092
Ultrasonic meter, 0586, 1451p
Unaccounted for gas, 1116
Underground storage, 0109f, 0216f-18f, 0353, 0465-67, 0603, 0604f-05f, 0677f, 1103, 1112, 1113f, 1230f, 1362f, 1446
Union Carbide process, 0332, 0445p, 0982p
Union Oil process, 0710p
United Arab Emirates, 0003
Unvented appliance, 0233f, 1013, 1151f, 1384
U.S., 0001, 0004-05, 0011-12, 0023-25, 0028, 0061, 0098, 0100, 0141-42, 0144-45, 0149-53, 0158, 0163-64, 0180-81, 0223, 0236, 0244, 0266-67, 0280-82, 0291, 0294, 0296-97, 0319, 0343, 0350, 0371, 0391-94, 0410, 0413, 0418r, 0434, 0460, 0465, 0506, 0521, 0523, 0536, 0538, 0540r, 0603, 0637, 0656-57, 0660-61, 0663-64, 0679-80, 0682-83, 0713, 0784, 0786-90, 0794, 0802-03, 0807, 0849, 0857, 0871, 0880, 0914-15, 0919-20, 0933, 0935-36, 0940, 0970, 0985, 1006, 1012, 1031, 1045-47, 1058, 1063-64, 1125r, 1176, 1178, 1199r, 1204, 1288-92, 1296, 1307, 1341, 1370, 1373, 1425-26, 1428, 1430, 1432, 1454, 1489, 1502-03, 1529b, 1553
U.S.S.R., 0002, 0031f, 0086f, 0090f, 0194, 0206f, 0213f, 0250f, 0268, 0299, 0340, 0665, 0712f, 1233f, 1347f, 1411f, 1427
Valve, 0204
Vapor cloud, 0094-96, 0101, 0211, 0351, 0458, 0463, 0601
Vehicle, 0249, 0366f, 0610f, 1004f, 1412p, 1504p, 1525
Vehicle fuel, 0132, 0249, 0250f, 0251p, 0379, 0505-06, 0772, 0904, 1031, 1032f, 1277, 1278f, 1336f, 1410, 1411f, 1412p, 1482p, 1553-54
Ventilation, 0235, 1130f, 1132f, 1235, 1378
Vibration, 0270, 0640f, 0725, 0753r
Viscosity, 0135, 1034, 1246
Vitiation, 1128, 1151f
Waste, 0018, 0035, 0037, 0041r, 0065b, 0167-68, 0171, 0178, 0179r, 0181, 0184, 0308, 0310, 0323-25, 0333, 0335f, 0404, 0416, 0421, 0540r, 0544-45, 0548, 0550r, 0554, 0559, 0564p, 0593, 0684r, 0687, 0690, 0697, 0701p, 0767, 0812-14, 0818-19, 0832, 0842f, 0845p, 0847p-48p, 0942-45, 0951, 0962b, 0969, 0978p, 1071, 1073-75, 1076r, 1181, 1186, 1188, 1190-95, 1325, 1327-28, 1382, 1461, 1469-70, 1474f, 1476p
Wastewater, 0018, 0041r, 0168, 0171, 0179r, 0181, 0308, 0404, 0593, 0842f, 1327, 1382
Water, 0019-20, 0046, 0050
Water heater, 0233f, 0252p, 0475, 0507-08, 0644, 0773p, 0884-86, 0892, 0905-06, 1014, 1033, 1125r, 1150, 1151f, 1152p, 1413-15, 1416p, 1535
Water heating, 0122f, 1257f
Water hyacinth, 0556, 0699p, 0822
Water pollution, 0014, 0036, 0055r, 0056, 0218f, 0281, 0593, 0699p, 0816, 1327
Welding, 0075-76, 0078, 0193, 0576f, 0592, 0859f, 1107, 1499, 1504p
Well, 0013, 0019-20, 0022, 0217f-18f, 0272-74, 0281, 0284, 0286, 0396-98, 0526-27, 0529, 0605f, 0667, 0669, 0674, 0676f, 0791, 0797, 0855f, 0921, 0928, 1059, 1061f, 1162, 1170, 1174-75, 1296, 1301, 1440, 1446, 1450p-51p
Well completion, 0013, 0015, 0279, 0526-27, 0669, 0797, 1053-54, 1301
Wellman Galusha process, 0949
West Germany, 0029f, 0032, 0043, 0284, 0466, 0473f, 0569f
Westinghouse process, 0180, 0338f, 0435, 0964, 0976, 1205
Winkler process, 0043, 1403
Wobbe index, 0516f
Wood, 0049, 0182, 0309, 0329, 0421, 0424-26, 0540r, 0542, 0551, 0556, 0686, 0695, 0811, 0833, 0954, 0962b, 1322, 1332, 1403, 1463-65, 1482p
Workover, 0669, 1440
World, 0143, 0178, 0265, 0352, 0457, 0518-19, 0658, 0917, 1290, 1431
Wrapping, 0356p